

Digital luxometers		
 <p><b>#04013</b> Net Price: 20,80 EUR Unit: pcs</p> <p><b>MS6610 - Light level meter</b> Digital luxometer for light level measurement with converter under separate cover with 1.5m long cord. Max. LCD display: 3 1/2 digits Range: 0 ÷ 2000 Lux, 2000 ÷ 19990 Lux, 20000 ÷ 50000 Lux Resolution: 1 Lux Accuracy: 5% Data hold: yes Power: 9V 6F22 battery Dimensions: meter - 125.5x72x27 mm, sensor - 83x52x20.5 mm Weight: 180g (with battery) Manufacturer: V&amp;A</p>	 <p><b>#04054</b> Net Price: 34,60 EUR Unit: pcs</p> <p><b>VA8051 - Luxmeter</b> Max. LCD display: 30000 Lux, 2788.0 ftc Resolution: 1 Lux, 0.1 ftc Data hold: yes Max/min reading: yes Backlight: yes Auto power off: yes Power: 3x 1,5V AAA Manufacturer: V&amp;A</p>	
Analog multimeters		
 <p><b>#07502</b> Net Price: 10,10 EUR Unit: pcs</p> <p><b>E-Sun EM330C - Analog multimeter</b> Range selection: manual DC voltage: 2.5/10/50/250/250V AC voltage: 10/50/250/250V DC current: 10m/250mA Resistance: Ω×10, ×100, ×1k Battery Test: 1.5V, 9V Continuity: yes</p>	 <p><b>#07507</b> Net Price: 35,10 EUR Unit: pcs</p> <p><b>E-Sun EM345B - Analog multimeter</b> Range selection: manual DC voltage: 100m/1/5/10/50/100/500/1000 V AC voltage: 10/50/100/500/1000 V DC current: 50u/500u/5m/50m/100m/500m/10 A AC current: 5m/50m/500m/10 A Resistance: Ω x1/ x10/ x100/ x1k/ x10k/ x100k Capacitance: C x10k/C, x1k/C, x100/C, x10/C, x1/C, x0,1 Continuity: yes</p>	
Digital multimeters		
 <p><b>#07506</b> Net Price: 32,60 EUR Unit: pcs</p> <p><b>E-Sun EM3686 - Digital Multimeter</b> DC Voltage: 200m/2/20/200/500V, +/-1.0% AC Voltage: 2/20/200/500V, +/-1.2% DC current: 200u/2000u/20m/200m/2/10A AC Current: 200u/2000u/20m/200m/2/10A Resistance: 200/2K/20K/200K/2M/20MΩ Temperature: -20~1000°C / 0~1832°F Continuity: Yes Diode Chec: approx. 1.5V</p>	 <p><b>#07500</b> Net Price: 48,30 EUR Unit: pcs</p> <p><b>E-Sun EM5510 - Digital Multimeter 5 in 1</b> Max. LCD display: 3999 Range selection: automatic / manual DC Voltage: 0.4/4/40/400/600V AC Voltage: 4/40/400/600V DC Current: 400u/4000u/40m/400m/10A AC Current: 400u/4000u/40m/400m/10A Resistance: 400/4K/40K/400K/4M/40MΩ Capacitance: 4n/40n/400n/4u/40u/100uF Frequency: 10/100/1k/10k/100k/200kHz Duty Cycle: 0.1% ~ 99.9% Temperature: -20~1000°C Humidity: 30%-95% Light: 4000Lux/40000Lux Sound Level: 35 - 100dB Continuity: Yes Diode Check: Yes Power: 9V battery (6F22) Dimensions: 83×162×47 mm Weight: 310g (with battery)</p>	 <p><b>#07505</b> Net Price: 151,00 EUR Unit: pcs</p> <p><b>E-Sun EM580A - Digital multimeter with insulation resistance tester</b> Range selection: automatic / manual DC voltage: 400m/4/40/400/600 V AC voltage: 400m/4/40/400/600 V DC current: 40m/400mA AC current: 40m/400mA Resistance: 400/4k/40k/400k/4M/40MΩ Frequency: 4kHz/40kHz/100kHz Insulation resistance: 0,01MΩ ÷ 4GΩ, test voltages 250/500/1000 V Diode test: yes Continuity test: yes Data hold: yes Back light: yes Manufacturer: E-SUN</p>



**#07501**

Net Price:  
71,60 EUR  
Unit: pcs

## E-Sun EM6000 - Digital Multimeter with USB

Max. LCD display: 3999  
Range selection: automatic / manual  
DC Voltage: 60m/600m/6/60/600/600V  
AC Voltage: 60m/600m/6/60/600/600V  
DC Current: 600μ/6000μ/60m/600m/6/10A  
AC Current: 600μ/6000μ/60m/600m/6/10A  
Resistance: 600/6k/60k/600k/6M/60MΩ  
Capacitance: 40n/400n/4μ/40μ/400μ/4000μF  
Frequency: 9.999~9.99MHz  
Duty Cycle: 5%~95%  
Temperature: -20~1000°C  
Continuity: Yes  
True RMS: Yes  
Diode Check: Yes  
Power: 9V battery (6F22)  
Dimensions: 185x86x44 mm  
Weight: 380g (with battery)



**#06152**

Net Price:  
179,00 EUR  
Unit: pcs

## FLUKE 114 - Digital Multimeter, True RMS, automatic range selection

LCD display: 6000  
Range selection: automatic/manual  
DC voltage: 600 V +/- 0,5%  
AC voltage: 600 V +/- 1%  
Resistance: 40 MΩ +/- 0,9%  
Continuity test: yes  
Auto power off: yes  
Data hold: yes  
True RMS: yes  
Back light: yes  
Battery indicator: yes  
Dimensions: 167 x 84 x 46 mm  
Guarante: 36 months  
Manufacturer: Fluke



**#06153**

Net Price:  
200,00 EUR  
Unit: pcs

## FLUKE 115 - Digital Multimeter, True RMS, automatic range selection

LCD display: 6000  
Range selection: automatic/manual  
DC voltage: 600 V +/- 0,5%  
AC voltage: 600 V +/- 1%  
DC current: 10A +/- 1%  
AC current: 10A +/- 1,5%  
Resistance: 40 MΩ +/- 0,9%  
Capacitance: 10 mF +/- 1,9%  
Frequency: 50kHz +/- 0,1%  
Continuity test: yes  
Diode test: yes  
Auto power off: yes  
Data hold: yes  
True RMS: yes  
Back light: yes  
Battery indicator: yes  
Dimensions: 167 x 84 x 46 mm  
Guarante: 36 months  
Manufacturer: Fluke



**#06154**

Net Price:  
229,00 EUR  
Unit: pcs

## FLUKE 116 - Digital Multimeter, True RMS, automatic range selection

LCD display: 6000  
Range selection: automatic/manual  
DC voltage: 600 V +/- 0,5%  
AC voltage: 600 V +/- 1%  
DC current: 600 μA +/- 1%  
AC current: 600 μA +/- 1,5%  
Resistance: 40 MΩ +/- 0,9%  
Capacitance: 10 mF +/- 1,9%  
Frequency: 50kHz +/- 0,1%  
Temperature: -40 ÷ 400 °C +/- 0,1%  
Continuity test: yes  
Diode test: yes  
Auto power off: yes  
Data hold: yes  
True RMS: yes  
Back light: yes  
Battery indicator: yes  
Dimensions: 167 x 84 x 46 mm  
Guarante: 36 months  
Manufacturer: Fluke



**#06155**

Net Price:  
248,00 EUR  
Unit: pcs

## FLUKE 117 - Digital Multimeter, True RMS, automatic range selection, voltage detector

LCD display: 6000  
Range selection: automatic/manual  
DC voltage: 600 V +/- 0,5%  
AC voltage: 600 V +/- 1%  
DC current: 10A +/- 1%  
AC current: 10A +/- 1,5%  
Resistance: 40 MΩ +/- 0,9%  
Capacitance: 10 mF +/- 1,9%  
Frequency: 50kHz +/- 0,1%  
Continuity test: yes  
Non-contact AC voltage detector: yes  
Diode test: yes  
Auto power off: yes  
Data hold: yes  
True RMS: yes  
Back light: yes  
Battery indicator: yes  
Dimensions: 167 x 84 x 46 mm  
Guarante: 36 months  
Manufacturer: Fluke



**#06806**

Net Price:  
715,00 EUR  
Unit: pcs

## FLUKE 1587 - Digital Multimeter, True RMS, automatic range selection, insulation testing

LCD display: 6000  
Range selection: automatic/manual  
Insulation testing: range 0,1 MΩ do 2 GΩ, testing voltages 50/100/250/500/1000 V, short-circuit current 1mA, maximum capacitance 1μF  
DC voltage: 1000 V +/- 0,09%  
AC voltage: 1000 V +/- 2%  
DC current: 400mA +/- 0,2%  
AC current: 400mA +/- 1,5%  
Resistance: 50 MΩ +/- 0,9%  
Capacitance: 10 mF +/- 1,2%  
Frequency: 100kHz +/- 0,1%  
Continuity test: yes  
Diode test: yes  
Data hold: yes  
True RMS: yes  
Back light: yes  
Battery indicator: yes  
Dimensions: 203 x 100 x 50 mm  
Guarante: 36 months  
Manufacturer: Fluke



**#06128**

Net Price:  
243,00 EUR  
Unit: pcs

## FLUKE 175 - Digital Multimeter, True RMS, automatic range selection

LCD display: 6000  
Range selection: automatic/manual  
DC voltage: 1000 V +/- 0,15%,  
AC voltage: 1000 V +/- 1%  
DC current: 10 A +/- 1,0%  
AC current: 10 A +/- 1,5%  
Resistance: 50 MΩ +/- 0,9%  
Capacitance: 10000 μF +/- 1,2%  
Frequency: 100 kHz +/- 0,1%  
Diode test: yes  
Continuity test: yes  
Auto power off: yes  
Data hold: yes  
True RMS: yes  
Relative measurement: yes  
Back light: no  
Dimensions: 185 x 90 x 43 mm  
Guarante: lifetime from manufacturer  
Manufacturer: Fluke



**#06129**

Net Price:  
290,00 EUR  
Unit: pcs

## FLUKE 177 - Digital Multimeter, True RMS, automatic range selection

LCD display: 6000  
Range selection: automatic/manual  
DC voltage: 1000 V +/- 0,09%,  
AC voltage: 1000 V +/- 1%  
DC current: 10 A +/- 1,0%  
AC current: 10 A +/- 1,5%  
Resistance: 50 MΩ +/- 0,9%  
Capacitance: 10000 μF +/- 1,2%  
Frequency: 100 kHz +/- 0,1%  
Diode test: yes  
Continuity test: yes  
Auto power off: yes  
Data hold: yes  
True RMS: yes  
Relative measurement: yes  
Back light: yes  
Dimensions: 185 x 90 x 43 mm  
Guarante: lifetime from manufacturer  
Manufacturer: Fluke



**#06130**

Net Price:  
316,00 EUR  
Unit: pcs

## FLUKE 179 - Digital Multimeter, True RMS, automatic range selection

LCD display: 6000  
Range selection: automatic/manual  
DC voltage: 1000 V +/- 0,09%,  
AC voltage: 1000 V +/- 1%  
DC current: 10 A +/- 1,0%  
AC current: 10 A +/- 1,5%  
Resistance: 50 MΩ +/- 0,9%  
Capacitance: 10000 μF +/- 1,2%  
Frequency: 100 kHz +/- 0,1%  
Temperature: -40 ÷ 400°C +/- 1,0%  
Diode test: yes  
Continuity test: yes  
Auto power off: yes  
Data hold: yes  
True RMS: yes  
Relative measurement: yes  
Back light: yes  
Dimensions: 185 x 90 x 43 mm  
Guarante: lifetime from manufacturer  
Manufacturer: Fluke



**#04059**

Net Price:  
369,00 EUR  
Unit: pcs

## FLUKE 233 Remote Display Multimeter

The NEW Fluke 233 True-rms Remote Display Digital Multimeter gives you ultimate flexibility in unusual measurement scenarios. Place the removable display where you can see it and then put the meter where it is convenient for you&#8212;no more juggling of leads and the meter while stretching into a tight spot. You can now take measurements in hard-to-reach places, where machines or panels are physically separated from a limit or isolator switch, or in user prohibited areas such as clean rooms or hazardous areas.

LCD display: 6000  
Range selection: automatic/manual  
DC voltage: 0,1 mV do 1000 V +/- 0,25%  
AC voltage: 0,1 mV do 1000 V +/- 1,0%  
DC current: 1 mA do 10 A +/- 1,0%  
AC current: 1 mA do 10 A +/- 1,5%  
Resistance: 0,1  $\Omega$  do 40 M $\Omega$   
Capacitance: 1 nF do 9999  $\mu$ F  
Frequency: 5 Hz - 50 kHz (Vac), 45Hz - 50kHz (Aac)  
Temperature: -40°C do +400°C  
Power: AA batteries - Three for main body; two for display  
Battery life: 400h  
Wireless frequency: 2.4 GHz ISM Band 10 meter range  
Dimensions: 193 x 53 x 53 mm



**#06218**

Net Price:  
593,00 EUR  
Unit: pcs

## FLUKE 287 - Digital Multimeter, True RMS, automatic range selection, PC interface

LCD display: 50000  
Range selection: automatic/manual  
DC voltage: 1000 V +/- 0,025%  
AC voltage: 1000 V +/- 0,4%  
DC current: 10 A +/- 0,06%  
AC current: 10 A +/- 0,6%  
Resistance: 500 M $\Omega$  +/- 0,05%  
Conductance: 50 nS +/- 1,0%  
Capacitance: 100 mF +/- 1,0%  
Frequency: 1MHz +/- 0,005%  
Temperature: -200 + 1350 °C +/- 1,0%  
Continuity test: yes  
Diode test: yes  
Auto power off: yes  
Data hold: yes  
True RMS: yes  
Back light: yes  
Battery indicator:yes  
PC interface: yes  
Dimensions: 203 x 100 x 50 mm  
Guarante: Unlimited  
Manufacturer: Fluke



**#06219**

Net Price:  
633,00 EUR  
Unit: pcs

## FLUKE 289 - Digital Multimeter, True RMS, automatic range selection, PC interface

LCD display: 6000  
Range selection: automatic/manual  
DC voltage: 1000 V +/- 0,025%  
AC voltage: 1000 V +/- 0,4%  
DC current: 10 A +/- 0,15%  
AC current: 10 A +/- 0,75%  
Resistance: 500 M $\Omega$  +/- 0,05%  
Conductance: 500 nS +/- 1,0%  
Capacitance: 50 mF +/- 1,0%  
Frequency: 1MHz +/- 0,005%  
Temperature: -200 + 1350 °C +/- 1,0%  
Continuity test: yes  
Diode test: yes  
Auto power off: yes  
Data hold: yes  
True RMS: yes  
Back light: yes  
Battery indicator:yes  
PC interface: yes  
Dimensions: 203 x 100 x 50 mm  
Guarante: Unlimited  
Manufacturer: Fluke



**#06158**

Net Price:  
385,00 EUR  
Unit: pcs

## FLUKE 771V - Digital Multimeter, automatic range selection

LCD display: 6000  
Range selection: automatic/manual  
DC voltage: 1000 V +/- 0,3%  
AC voltage: 1000 V +/- 2,0%  
DC current: 10A +/- 1,5%  
AC current: 10A +/- 2,5%  
Resistance: 50 M $\Omega$  +/- 2,5%  
Capacitance: 99,99  $\mu$ F +/- 1,2%  
Frequency: 99,99 kHz +/- 0,1%  
Continuity test: yes  
Diode test: yes  
Auto power off: yes  
Data hold: yes  
Back light: yes  
Battery indicator:yes  
Dimensions: 190 x 89 x 45 mm  
Guarante: Unlimited  
Manufacturer: Fluke



**#06159**

Net Price:  
422,00 EUR  
Unit: pcs

## FLUKE 83V - Digital Multimeter, True RMS, automatic range selection

LCD display: 6000  
Range selection: automatic/manual  
DC voltage: 1000 V +/- 0,1%  
AC voltage: 1000 V +/- 0,5%  
DC current: 10A +/- 0,4%  
AC current: 10A +/- 1,2%  
Resistance: 20 M $\Omega$  +/- 0,4%  
Conductance: 60 nS +/- 1,0%  
Capacitance: 10 mF +/- 1,0%  
Frequency: 200kHz +/- 0,005%  
Continuity test: yes  
Diode test: yes  
Auto power off: yes  
Data hold: yes  
Back light: yes  
Battery indicator:yes  
Dimensions: 200 x 95 x 48 mm  
Guarante: Unlimited  
Manufacturer: Fluke



**#06160**

Net Price:  
541,00 EUR  
Unit: pcs

## FLUKE 87V - Digital Multimeter, True RMS, automatic range selection

LCD display: 19,999  
Range selection: automatic/manual  
DC voltage: 1000 V +/- 0,1%  
AC voltage: 1000 V +/- 0,5%  
DC current: 10A +/- 0,4%  
AC current: 10A +/- 1,2%  
Resistance: 20 M $\Omega$  +/- 0,4%  
Conductance: 60 nS +/- 1,0%  
Capacitance: 10 mF +/- 1,0%  
Frequency: 200kHz +/- 0,005%  
Temperature: -200 + 1090 °C +/- 1,0%  
Continuity test: yes  
Relative measurement: yes  
Diode test: yes  
Auto power off: yes  
Data hold: yes  
True RMS: yes  
Back light: yes  
Battery indicator:yes  
Dimensions: 200 x 95 x 48 mm  
Guarante: Unlimited  
Manufacturer: Fluke



**#03904**

Net Price:  
5,76 EUR  
Unit: pcs

## Mastech MAS830 - Digital Multimeter

Max. LCD display: 1999  
Range selection: manual  
DC voltage: 200m/2/20/200 V +/- 0,5%, 600 V +/- 0,8%  
AC voltage: 200/600 V +/- 1,2%  
DC current: 200 $\mu$ /2m/20m A +/- 1,0%, 200 mA +/- 1,5%, 10 A +/- 3,0%  
Resistance: 200/2k/20k/200 k $\Omega$  +/- 0,8%, 2M $\Omega$  +/- 1,0%  
Diode test: yes  
hFE test: yes  
Continuity test: yes  
Data hold: yes  
Power: 9V (6F22) battery  
Dimensions: 138x69x31 mm  
Weight: 170 g  
Manufacturer: Mastech



**#03902**

Net Price:  
6,32 EUR  
Unit: pcs

## Mastech MAS830L - Digital Multimeter

Max. LCD display: 1999  
Range selection: manual  
DC voltage: 200m/2/20/200 V +/- 0,5%, 600 V +/- 0,8%  
AC voltage: 200/600 V +/- 1,2%  
DC current: 200 $\mu$ /2m/20m A +/- 1,0%, 200 mA +/- 1,5%, 10 A +/- 3,0%  
Resistance: 200/2k/20k/200 k $\Omega$  +/- 0,8%, 2M $\Omega$  +/- 1,0%  
Diode test: yes  
hFE test: yes  
Continuity test: yes  
Data hold: yes  
Back light: yes  
Power: 9V (6F22) battery  
Dimensions: 138x69x31 mm  
Weight: 170 g  
Manufacturer: Mastech



**#03903**

Net Price:  
6,86 EUR  
Unit: pcs

## Mastech MAS838 - Digital Multimeter

Max. LCD display: 1999  
Range selection: manual  
DC voltage: 200m/2/20/200 V +/- 0,5%, 600 V +/- 0,8%  
AC voltage: 200/600 V +/- 1,2%  
DC current: 200 $\mu$ /2m/20m A +/- 1,0%, 200 mA +/- 1,5%, 10 A +/- 3,0%  
Resistance: 200/2k/20k/200k/2 M $\Omega$  +/- 1,0%  
Temperature: -20°C + 0°C +/- 10%, 0°C + 400°C +/- 1%, 400°C + 1000°C +/- 2%  
Diode test: yes  
hFE test: yes  
Continuity test: yes  
Data hold: yes  
Power: 9V (6F22) battery  
Dimensions: 138x69x31 mm  
Weight: 170 g  
Manufacturer: Mastech



**#03957**

Net Price:  
16,70 EUR  
Unit: pcs

## Mastech MS8211 - Digital Multimeter with voltage detector

Max. LCD display: 1999  
Range selection: automatic / manual  
Insulation class: CAT III 600V  
DC voltage: 200m/2/20/200/600 V +/- 0,7%  
AC voltage: 200m/2/20/200/600 V +/- 0,8%  
Resistance: 200/2k/20k/200k/2M/20 MΩ +/- 1,2%  
Diode test: yes  
Continuity test: yes  
Non-contact AC voltage detector: yes  
Auto power off: yes  
Maximum value hold: yes  
Flashing alarm: yes  
Sound alarm: yes  
Power: 2x 1,5V AAA battery  
Dimensions: 208x38x29 mm  
Weight: 110 g  
Manufacturer: Mastech



**#06164**

Net Price:  
15,60 EUR  
Unit: pcs

## Mastech MS8211D - Digital Multimeter

Max. LCD display: 1999  
Range selection: automatic / manual  
Insulation class: CAT III 600V  
DC voltage: 200m/2/20/200/600 V +/- 0,7%  
AC voltage: 200m/2/20/200/600 V +/- 0,8%  
DC current: 20m/200mA +/- 1,5%  
AC current: 20m/200mA +/- 2,0%  
Resistance: 200/2k/20k/200k/2M/20 MΩ +/- 1,2%  
Diode test: yes  
Continuity test: yes  
Auto power off: yes  
TTL test: yes  
Maximum value hold: yes  
Power: 2x 1,5V AAA battery  
Dimensions: 208x38x29 mm  
Weight: 110 g  
Manufacturer: Mastech



**#03960**

Net Price:  
9,33 EUR  
Unit: pcs

## Mastech MS8221B - Digital Multimeter

Max. LCD display: 1999  
Range selection: manual  
Insulation class: CAT III 600V, CAT II 1000V  
DC voltage: 200m/2/20/200/1000 V +/- 0,5%  
AC voltage: 200/750 V +/- 1,2%  
DC current: 200u/2m/20 mA +/- 1,0%, 200 mA +/- 1,2%, 10A +/- 3,0%  
Resistance: 200/2k/20k/200k +/- 0,8%, 2 MΩ +/- 1,0%  
Temperature: -20°C + 1000°C  
Diode test: yes  
hFE: yes  
Continuity test: yes  
Data hold: yes  
Power: 3x 1,5V AAA  
Dimensions: 158x74x31 mm  
Weight: 220 g  
Manufacturer: Mastech



**#03961**

Net Price:  
18,40 EUR  
Unit: pcs

## Mastech MS8221C - Digital Multimeter

Max. LCD display: 1999  
Range selection: automatic  
Insulation class: CAT III 600V  
DC voltage: 200m/2/20/200/600 V +/- 0,7%  
AC voltage: 200m/2/20/200/600 V +/- 0,8%  
DC current: 200u/2000u/20m/200 mA +/- 1,2%, 2/10A +/- 2,0%  
AC current: 200u/2000u/20m/200 mA +/- 1,5%, 2/10A +/- 3,0%  
Resistance: 200/2k/20k/200k/2 MΩ +/- 1,2%, 20 MΩ +/- 2,0%  
Capacitance: 20n/200n/2u/20u/200u/1000 uF +/- 4,0%  
Temperature: -20°C + 1000°C +/- 3,0%  
Diode test: yes  
hFE test: yes  
Continuity test: yes  
Data hold: yes  
Back light: yes  
Auto power off: yes  
Power: 3x 1,5V AAA  
Dimensions: 158x74x31 mm  
Weight: 220 g  
Manufacturer: Mastech



**#03986**

Net Price:  
49,90 EUR  
Unit: pcs

## Mastech MS8229 - Digital Multimeter 5 in 1

Max. LCD display: 3999  
Range selection: automatic / manual  
DC voltage: 400m/4/40/400/1000 V +/- 0,7%  
AC voltage: 400m/4/40/400 V +/- 0,8%, 750 V +/- 1,0%  
DC current: 400u/4000u/40m/400 mA +/- 1,2%, 4/10 A +/- 2,0%  
AC current: 400u/4000u/40m/400 mA +/- 1,5%, 4/10 A +/- 3,0%  
Resistance: 400/4k/40k/400k/4M/40 MΩ +/- 1,0%  
Capacitance: 40n/400n/4u/40u/100 uF +/- 3,0 %  
Frequency: 10+/- 2,0%, 100/1k/10k +/- 1,5%, 100k/200kHz +/- 2,0%  
Duty cycle: 0.1% + 99.9% +/- 3,0%  
Temperature: -20°C + 1000°C +/- 5,0%  
Humidity: 20% + 95% relative humidity (RH) +/- 5,0% RH  
Light: 4000/40000 Lux +/- 5,0%  
Sound: 40dB + 100dB +/- 4dB  
Diode test: yes  
Continuity test: yes  
Data hold: yes  
Relative measurement: yes  
Maximum value measurement: yes  
Back light: yes  
Dimensions: 195x92x55 mm  
Power: 3x 1,5V AAA battery  
Manufacturer: Mastech



**#04068**

Net Price:  
21,40 EUR  
Unit: pcs

## Mastech MS8232B - Digital Multimeter

Max. LCD display: 3999  
Range selection: automatic  
Insulation class: CAT III 600V  
DC voltage: 400m/4/40/400 +/- 0,5%, 600 V +/- 0,8%  
AC voltage: 400m/4/40/400 +/- 1,0%, 600 V +/- 2,3%  
DC current: 400u/4000u/40m/400 mA +/- 1,8%  
AC current: 400u/4000u/40m/400 mA +/- 2,0%  
Resistance: 400/4k/40k/400k/4M Ω +/- 1,0%, 40 MΩ +/- 1,2%  
Capacitance: 4n/40n/400n/4u/40u/100 uF +/- 5,0%  
Frequency: 0 + 5MHz +/- 1,5%  
Diode test: yes  
Non contact AC voltage detector: yes  
Continuity test: yes  
Back light: yes  
Auto power off: yes  
Power: 2x 1,5V AAA  
Dimensions: 150 x 70 x 50 mm  
Weight: 238 g  
Manufacturer: Mastech



**#03964**

Net Price:  
15,80 EUR  
Unit: pcs

## Mastech MS8261 - Digital Multimeter

Max. LCD display: 1999  
Range selection: manual  
Insulation class: CAT III 600V, CAT II 1000V  
DC voltage: 200m/2/20/200 V +/- 0,5%, 1000V +/- 0,8%  
AC voltage: 2/20/200 V +/- 0,8%, 750 V +/- 1,2%  
DC current: 2m/20mA +/- 0,8%, 200 mA +/- 1,5%, 10 A +/- 2,0%  
AC current: 2mA +/- 1,0%, 200 mA +/- 1,8%, 10 A +/- 3,0%  
Resistance: 200/2k/20k/200k/2 MΩ +/- 0,8%, 20 MΩ +/- 1,0%, 200 MΩ +/- 5,0%  
Capacitance: 2n/20n/200n/2u/20u +/- 4,0%  
Diode test: yes  
hFE test: yes  
Continuity test: yes  
Data hold: yes  
Auto power off: yes  
Back light: yes  
Power: 9V 6F22 battery  
Dimensions: 195x92x55 mm  
Weight: 380 g  
Manufacturer: Mastech



**#03965**

Net Price:  
17,80 EUR  
Unit: pcs

## Mastech MS8264 - Digital Multimeter

Max. LCD display: 1999  
Range selection: manual  
Insulation class: CAT III 600V, CAT II 1000V  
DC voltage: 200m/2/20/200 V +/- 0,5%, 1000V +/- 0,8%  
AC voltage: 2/20/200 V +/- 0,8%, 750 V +/- 1,2%  
DC current: 20m/200 mA +/- 1,5%, 10 A +/- 2,0%  
AC current: 2mA +/- 1,0%, 200 mA +/- 1,8%, 10 A +/- 3,0%  
Resistance: 200/2k/20k/200k/2 MΩ +/- 0,8%, 20 MΩ +/- 1,0%, 200 MΩ +/- 5,0%  
Capacitance: 2n/20n/200n/2u/20u +/- 4,0%  
Frequency: 20 KHz +/- 1,5%  
Temperature: -20°C + 0°C +/- 5,0%, 1°C + 400°C +/- 1,0%, 401°C + 1000°C +/- 2,0%  
Diode test: yes  
hFE test: yes  
Continuity test: yes  
Auto power off: yes  
Data hold: yes  
Back light: yes  
Power: 9V 6F22 battery  
Dimensions: 195x92x55 mm  
Weight: 380 g  
Manufacturer: Mastech



**#03966**

Net Price:  
21,60 EUR  
Unit: pcs

## Mastech MS8268 - Digital Multimeter

Max. LCD display: 3999  
Range selection: automatic, manual  
Insulation class: CAT III 600V, CAT II 1000V  
DC voltage: 400m/4/40/400 V +/- 0,7%, 1000V +/- 0,8%  
AC voltage: 400 mV +/- 3,0% 4/40/400 V +/- 0,8%, 750 V +/- 1,0%  
DC current: 400u/4000u/40m/400 mA +/- 1,2%, 10A +/- 2,0%  
AC current: 400u/4000u/40m/400 mA +/- 1,5%, 10A +/- 3,0%  
Resistance: 400/4k/40k/400k/4 MΩ +/- 1,2%, 40 MΩ +/- 2,0%  
Capacitance: 4nF +/- 5,0%, 40n/400n/4u/40u/200uF +/- 3,0%  
Frequency: 10/100/1000/10k/200 kHz +/- 2,0%  
hFE test: yes  
Diode test: yes  
Continuity test: yes  
Duty cycle: yes  
Relative measurement: yes  
Auto power off: yes  
Data hold: yes  
Back light: yes  
Incorrect plug protection: yes  
Power: 3x 1,5V AAA battery  
Dimensions: 195x92x55 mm  
Weight: 380 g  
Manufacturer: Mastech





**#02928**

Net Price:  
15,60 EUR  
Unit: pcs

## Mastech MY-63 - Digital Multimeter

Digital multimeter with acoustic frequency measurement up to 20kHz and standard measurement package.

Max. LCD display: 1999  
Range selection: manual  
DC voltage: 200m/2/20/200V +/-0.5%, 1000V +/-0.8%  
AC voltage: 2/20/200V +/-0.8%, 700V +/-1.2%  
DC current: 2m/20mA +/-0.8%, 200mA +/-1.5%, 10A +/-2.0%  
AC current: 2m/20mA +/-1.0%, 200mA +/-1.8%, 10A +/-3.0%  
Resistance: 200/2k/20k/200k/2MΩ +/-0.8%, 20MΩ +/-1.0%, 200MΩ +/-5.0%  
Capacity: 2n/20n/200n/2μ/20μF +/-4.0%  
Frequency: 2kHz +/-2.0%, 20kHz +/-1.5%  
Accuracy: 0.5%  
Bandwidth: 40 ÷ 400 Hz  
Diode test: 0.8A / 3V  
hFE test: 10μA / 3V  
Sound signaling: < 50 Ω  
Auto power off: yes  
Battery indicator: yes  
Protection: yes  
Impedance: 10 MΩ  
Power: 9V 6F22 battery  
Manufacturer: Mastech



**#02929**

Net Price:  
16,20 EUR  
Unit: pcs

## Mastech MY-64 - Digital Multimeter

Max. LCD display: 1999  
Range selection: manual  
DC voltage: 200m/2/20/200V +/-0.5%, 1000V +/-0.8%  
AC voltage: 2/20/200V +/-0.8%, 700V +/-1.2%  
DC current: 2m/20mA +/-0.8%, 200mA +/-1.5%, 10A +/-2.0%  
AC current: 2m/20mA +/-1.0%, 200mA +/-1.8%, 10A +/-3.0%  
Resistance: 200/2k/20k/200k/2MΩ +/-0.8%, 20MΩ +/-1.0%, 200MΩ +/-5.0%  
Capacity: 2n/20n/200n/2μ/20μF +/-4.0%  
Frequency: 20kHz +/-1.5%  
Temperature: -20°C ÷ 1000°C  
Accuracy: 0.5%  
Bandwidth: 40 ÷ 400 Hz  
Diode test: 0.8A / 3V  
hFE test: 10μA / 3V  
Sound signaling: < 50 Ω  
Auto power off: yes  
Battery indicator: yes  
Protection: yes  
Impedance: 10 MΩ  
Power: 9V 6F22 battery  
Manufacturer: Mastech



**#02930**

Net Price:  
27,70 EUR  
Unit: pcs

## Mastech MY-65 - Digital Multimeter

Max. LCD display: 19999  
Range selection: manual  
DC voltage: 200m +/-0.05%, 2/20/200V +/-0.1%, 1000V +/-0.15%  
AC voltage: 2V +/-0.5%, 20/200V +/-0.6%, 700V +/-0.8%  
DC current: 2m/20mA +/-0.5%, 200mA +/-0.8%, 20A +/-2.0%  
AC current: 2m/20mA +/-0.8%, 200mA +/-1.2%, 20A +/-2.5%  
Resistance: 200Ω +/-0.5%, 2k/20k/200k/2MΩ +/-0.3%, 20MΩ +/-0.5%, 200MΩ +/-5.0%  
Capacity: 2000p/20n/200n/2μ/20μF +/-4.0%  
Frequency: 20kHz +/-1.5%  
Accuracy: 0.05%  
Frequency band: 40 ÷ 1000 Hz  
Diode test: 0.8mA / 3V  
hFE test: 10μA / 3V  
Continuity test: < 50 Ω  
Data hold: yes  
Auto power off: yes  
Battery indicator: yes  
Protection: yes  
Impedance: 10 MΩ  
Power: 9V 6F22  
Manufacturer: Mastech



**#02933**

Net Price:  
17,00 EUR  
Unit: pcs

## Mastech MY-68 - Digital Multimeter

Perfect for engineer and technician. Digital Multimeter 3 and 3/4 digits with automatic range selection. Frequency measurement up to 200kHz.

Max. LCD display: 3260  
Bar graph: yes  
Range selection: manual/automatic  
DC voltage: 400m/4/40/400V +/-0.7%, 1000V +/-0.8%  
AC voltage: 400m +/-3.0%, 4/40/400V +/-0.8%, 750V +/-1.0%  
DC current: 0.4/4/40/400mA +/-1.2%, 10A +/-2.0%  
AC current: 0.4/4/40/400mA +/-1.5%, 10A +/-3.0%  
Resistance: 400/4k/40k/400k/4MΩ +/-1.2%, 40MΩ +/-2.0%  
Capacity: 4n +/-5.0%, 40n/400n/4μ/40μ/200μF +/-3.0%  
Frequency: 10/100/1k/10k/100k/200kHz +/-2.0%  
Bandwidth: 40 ÷ 1000 Hz  
Diode test: 1mA / 1.5V  
hFE test: Ib=10μA / Vce=2.8V  
Sound signaling: < 50 Ω  
Data hold: yes  
Battery indicator: yes  
Protection: yes  
Impedance: 10 MΩ  
Power: 9V 6F22 battery  
Manufacturer: Mastech



**#04067**

Net Price:  
39,50 EUR  
Unit: pcs

## MS8235 - Digital multimeter with lan tester

Max. LCD display: 1999  
Range selection: auto  
DC voltage: 200m/2/20/200/600 V +/- 0.5%  
AC voltage: 200m/2/20/200/600 V +/- 0.8%  
DC current: 200μ/2m/20m/200 mA +/- 1.2%, 2/10A +/- 2.0%  
AC current: 200μ/2m/20m/200 mA +/- 1.5%, 2/10 A +/- 3.0%  
Resistance: 200/2k/20k/200k/2M/20M Ω +/- 1.0%  
Frequency: 20 kHz +/- 1.5%  
Diode test: yes  
LCD backlight: yes  
Data hold: yes  
Network cable test (RJ-11, RJ-45): T568A, T568B, 10Base-T  
Shield integrity test: yes  
Manufacturer: Mastech  
RJ11, RJ45



**#03969**

Net Price:  
6,03 EUR  
Unit: pcs

## V&A MAS830 - Digital Multimeter

Max. LCD display: 1999  
Range selection: manual  
DC voltage: 200m/2/20/200 V +/- 0.5%, 600 V +/- 0.8%  
AC voltage: 200/600 V +/- 1.2%  
DC current: 200μ/2m/20m A +/- 1.0%, 200 mA +/- 1.5%, 10 A +/- 3.0%  
Resistance: 200/2k/20k/200 kΩ +/- 0.8%, 2MΩ +/- 1.0%  
Diode test: yes  
hFE test: yes  
Continuity test: yes  
Data hold: yes  
Power: 9V (6F22) battery  
Dimensions: 138x69x31 mm  
Weight: 170 g  
Manufacturer: V&A



**#03972**

Net Price:  
6,31 EUR  
Unit: pcs

## V&A MAS830L - Digital multimeter

Max. LCD display: 1999  
Range selection: manual  
DC voltage: 200m/2/20/200 V +/- 0.5%, 600 V +/- 0.8%  
AC voltage: 200/600 V +/- 1.2%  
DC current: 200μ/2m/20m A +/- 1.0%, 200 mA +/- 1.5%, 10 A +/- 3.0%  
Resistance: 200/2k/20k/200 kΩ +/- 0.8%, 2MΩ +/- 1.0%  
Diode test: yes  
hFE test: yes  
Continuity test: yes  
Data hold: yes  
Back light: yes  
Power: 9V (6F22) battery  
Dimensions: 138x69x31 mm  
Weight: 170 g  
Manufacturer: V&A



**#03971**

Net Price:  
6,80 EUR  
Unit: pcs

## V&A MAS838 - Digital multimeter

Max. LCD display: 1999  
Range selection: manual  
DC voltage: 200m/2/20/200 V +/- 0.5%, 600 V +/- 0.8%  
AC voltage: 200/600 V +/- 1.2%  
DC current: 200μ/2m/20m A +/- 1.0%, 200 mA +/- 1.5%, 10 A +/- 3.0%  
Resistance: 200/2k/20k/200k/2 MΩ +/- 1.0%  
Temperature: -20°C ÷ 0°C +/- 10%, 0°C ÷ 400°C +/- 1%, 400°C ÷ 1000°C +/- 2%  
Diode test: yes  
hFE test: yes  
Continuity test: yes  
Data hold: yes  
Power: 9V (6F22) battery  
Dimensions: 138x69x31 mm  
Weight: 170 g  
Manufacturer: V&A



**#04014**

Net Price:  
24,10 EUR  
Unit: pcs

## V&A MS8201H - Digital Multimeter

Max. LCD display: 1999  
Range selection: manual  
DC voltage: 200m/2/20/200/1000 V +/- 0.5%  
AC voltage: 200m/2/20/200/700 V +/- 1.0%  
DC current: 2m/20m/200m/10 A +/- 1.0%  
AC current: 2m/20m/200m/10 A +/- 1.2%  
Resistance: 200/2k/20k/200k/2M/20M Ω +/- 1.0%  
Capacitance: 2n/20n/200n/2μ/20 μF +/- 4.0%  
Inductance: 2m/20m/200m/2/20 H +/- 3.0%  
Frequency: 20 kHz +/- 1.5%  
Temperature: -20 °C ÷ 1000 °C +/- 3.0%  
Diode test: yes  
TTL test: yes  
hFE test: yes  
Continuity test: yes  
Auto power off: yes  
Data hold: yes  
Back light: yes  
Manufacturer: V&A



**#06162**

Net Price:  
19,70 EUR  
Unit: pcs

## V&A MY-68 - Digital Multimeter with Bargraph

Perfect for engineer and technician. Digital Multimeter 3 and 3/4 digits with automatic range selection. Frequency measurement up to 200kHz.  
Max. LCD display: 3260  
Bargraph: yes  
Range selection: manual/automatic  
DC voltage: 400m/4/40/400V +/-0,7%, 1000V +/-0,8%  
AC voltage: 400m +/-3,0%, 4/40/400V +/-0,8%, 750V +/-1,0%  
DC current: 0,4/4/40/400mA +/-1,2%, 10A +/-2,0%  
AC current: 0,4/4/40/400mA +/-1,5%, 10A +/-3,0%  
Resistance: 400/4k/40k/400k/4MΩ +/-1,2%, 40MΩ +/-2,0%  
Capacity: 4n +/-5,0%, 40n/400n/4μ/40μ +/-3,0%  
Frequency: 10/100/1k/10k/100k/200kHz +/-2,0%  
Bandwidth: 40 ÷ 1000 Hz  
Diode test: 1mA / 1,5V  
hFE test: Ib=10μA / Vce=2,8V  
Sound signaling: < 50 Ω  
Data hold: yes  
Battery indicator: yes  
Protection: yes  
Impedance: 10 MΩ  
Power: 9V 6F22 battery  
Manufacturer: V&A



**#04015**

Net Price:  
17,30 EUR  
Unit: pcs

## V&A VA11 - Digital Multimeter

Max. LCD display: 1999  
Range selection: manual  
DC voltage: 200m/2/20/200V/1000V +/-0,8%  
AC voltage: 200m/2/20/200/750V +/-1,2%  
DC current: 200μ/2m/20m/200m/10A +/-1,5%  
AC current: 200μ/2m/20m/200m/10A +/-1,5%  
Resistance: 200/2k/20k/200k/2M/20M/200MΩ +/-0,8%  
Capacity: 2n/20n/200n/2μ/20μ/200μF +/-4,0%  
Diode test: yes  
hFE test: yes  
Sound signaling: yes  
Battery indicator: yes  
Dimension: 185×85×44 mm  
Weight: 360 (including battery)  
Manufacturer: V&A



**#04016**

Net Price:  
18,40 EUR  
Unit: pcs

## V&A VA12 - Digital Multimeter with capacitance, temperature and frequency measurement.

Max. LCD display: 1999  
Range selection: manual  
DC voltage: 200m/2/20/200V/1000V +/-0,8%  
AC voltage: 200m/2/20/200/750V +/-1,2%  
DC current: 200μ/2m/20m/200m/10A +/-1,5%  
AC current: 200μ/2m/20m/200m/10A +/-1,5%  
Resistance: 200/2k/20k/200k/2M/20M/200MΩ +/-0,8%  
Capacity: 2n/20n/200n/2μ/20μ/200μF +/-4,0%  
Temperature: -40+1000°C +/-2%  
Frequency: 20kHz +/-1,5%  
Diode test: yes  
hFE test: yes  
Sound signaling: yes  
Battery indicator: yes  
Manufacturer: V&A



**#03981**

Net Price:  
21,10 EUR  
Unit: pcs

## V&A VA15 - Digital multimeter

Max. LCD display: 3999  
Range selection: automatic / manual  
Insulation class: CATII 1000V  
DC voltage: 0.1mV ÷ 1000V +/- 0,5%  
AC voltage: 0.1mV ÷ 700V +/- 1%  
DC current: 0.1μA ÷ 10A +/- 1,5%  
AC current: 0.1μA ÷ 10A +/- 1,5%  
Resistance: 0.1Ω ÷ 40MΩ +/- 0,5%  
Capacitance: 0.01nF ÷ 100μF +/- 3%  
Diode test: yes  
Continuity test: yes  
Data hold: yes  
Relative measurement: yes  
Auto power off: yes  
Back light: yes  
Other: electronic protection system  
Manufacturer: V&A



**#03973**

Net Price:  
28,00 EUR  
Unit: pcs

## V&A VA16 - Digital multimeter 3 in 1

Max. LCD display: 3999  
Range selection: manual  
DC voltage: 200m/2/20/200/1000 V +/- 0,8%~ +/- 1,2%  
AC voltage: 200m/2/20/200/700 V +/- 0,8%~ +/- 1,5%  
DC current: 200μ/2m/20m/200 mA +/- 1,8%, 10 A +/- 3%  
AC current: 200μ/2m/20m/200 mA +/- 1,8%, 10 A +/- 3%  
Resistance: 200/2k/20k/200k/2 MΩ +/- 0,8%, 20 MΩ +/- 1,0%, 200 MΩ +/- 5,0%  
Diode test: yes  
Battery test: 1,5/6/9 V  
LCD backlight: yes  
Data hold: yes  
Network cable test (RJ-11, RJ-45): short, open, miswires, reversals, split pairs  
Shield integrity test: yes  
Debug mode for network cable testing: yes  
Terminator: yes  
Manufacturer: V&A  
RJ11, RJ45



**#03982**

Net Price:  
25,50 EUR  
Unit: pcs

## V&A VA17 - Digital multimeter

This model has the same features as a VA15, but it has also temperature (up to 1000°C) and frequency measurement function.

Max. LCD display: 3999  
Range selection: automatic / manual  
Insulation class: CATII 1000V  
DC voltage: 0.1mV ÷ 1000V +/- 0,5%  
AC voltage: 0.1mV ÷ 700V +/- 1%  
DC current: 0.1μA ÷ 10A +/- 1,5%  
AC current: 0.1μA ÷ 10A +/- 1,5%  
Resistance: 0.1Ω ÷ 40MΩ +/- 0,5%  
Capacitance: 0.01nF ÷ 100μF +/- 3%  
Frequency: 0,01Hz ÷ 100kHz +/- 0,1%  
Temperature: -55°C ÷ 1000°C +/- 2%  
Diode test: yes  
Continuity test: yes  
Data hold: yes  
Relative measurement: yes  
Auto power off: yes  
Back light: yes  
Other: electronic protection system  
Manufacturer: V&A



**#03983**

Net Price:  
36,20 EUR  
Unit: pcs

## V&A VA18B - Digital multimeter

Max. LCD display: 5999  
Range selection: automatic / manual  
Insulation class: CATII 1000V  
DC voltage: 0.1mV ÷ 1000V +/- 0,5%  
AC voltage: 0.1mV ÷ 700V +/- 1%  
DC current: 0.1μA ÷ 10A +/- 1,5%  
AC current: 0.1μA ÷ 10A +/- 1,5%  
Resistance: 0.1Ω ÷ 60MΩ +/- 0,5%  
Capacitance: 0.01nF ÷ 300μF +/- 3%  
Frequency: 0Hz ÷ 1MHz +/- 0,1%  
Duty cycle: 0,1% ÷ 99,9%  
Temperature: -55°C ÷ 1000°C +/- 2%  
Diode test: yes  
Continuity test: yes  
Data hold: yes  
Relative measurement: yes  
Auto power off: yes  
Back light: yes  
Other: electronic protection system, USB interface, Windows 2000/XP software  
Software function: measure MIN/MAX, measure data save, measure graph  
Manufacturer: V&A



**#03974**

Net Price:  
39,20 EUR  
Unit: pcs

## V&A VA19 - Digital multimeter 5 in 1

5 in 1 digital multimeter. Except measurements of standard electric values it also can measure temperature, humidity, light and sound level.

Max. LCD display: 3999

Range selection: auto

Insulation class: CAT III 600V

DC voltage: 0.4/4/40/400/600 V +/- 0.7%

AC voltage: 4/40/400/600 V +/- 0.8%

DC current: 40/400 mA +/- 1.2%, 10 A +/- 2.0 %

AC current: 40/400 mA +/- 1.5%, 10 A +/- 3.0 %

Resistance: 400/4k/40k/400k/4 MΩ +/- 1.2%, 40 MΩ +/- 2.0%

Capacitance: 4n/40n/400n/4μ/40μ/200μF +/- 3.0%

Frequency: 10/100/1k/10k/100/200 kHz +/- 2.0%

Temperature: -20°C + 400°C +/- 3.0%, 400°C + 1000°C +/- 3.0%

Humidity 30% + 95% RH +/- 5.0% RH

Light: 4000/40000 Lux +/- 5.0%

Sound: 35 + 100 dB +/- 4dB

Diode test: yes

Continuity test: yes

Data hold: yes

Relative measurement: yes

Back light: yes

Power: 9V (6F22) battery

Dimensions: 185x85x44 mm

Manufacturer: V&A



**#03977**

Net Price:  
17,60 EUR  
Unit: pcs

## V&A VA20 - Digital multimeter with non-contact AC voltage detector

LCD display: 1999

Range selection: automatic

DC voltage: 200m/2/20/200/600 V +/- 0.7%

AC voltage: 200m/2/20/200/600 V +/- 0.8%

DC current: 200μ/2m/20m/200m/2/10 A +/- 1.2%

AC current: 200μ/2m/20m/200m/2/10 A +/- 1.5%

Resistance: 200/2k/20k/200k/2M/20M Ω +/- 1%

Diode test: yes

hFE test: yes

Maximum value measurement: yes

Continuity test: yes

Non-contact AC voltage detector: yes

Data hold: yes

Auto power off: yes

Battery indicator: yes

Back light: yes

Power: 3x 1.5V AAA battery

Dimensions: 158x78x32 mm

Manufacturer: V&A



**#03978**

Net Price:  
19,50 EUR  
Unit: pcs

## V&A VA20B - Digital multimeter with non-contact AC voltage detector

Max. LCD display: 1999

Range selection: automatic

DC voltage: 200m/2/20/200/600 V +/- 0.7%

AC voltage: 200m/2/20/200/600 V +/- 0.8%

DC current: 200μ/2m/20m/200m/2/10 A +/- 1.2%

AC current: 200μ/2m/20m/200m/2/10 A +/- 1.5%

Resistance: 200/2k/20k/200k/2M/20M Ω +/- 1%

Temperature: -20°C + 1000°C +/- 1%

Battery test: 1.5/3/9 V

Diode test: yes

hFE test: yes

Maximum value measurement: yes

Continuity test: yes

Non-contact AC voltage detector: yes

Data hold: yes

Auto power off: yes

Battery indicator: yes

Back light: yes

Power: 3x 1.5V AAA battery

Dimensions: 158x78x32 mm

Manufacturer: V&A



**#03975**

Net Price:  
19,20 EUR  
Unit: pcs

## V&A VA20C - Digital multimeter with non-contact AC voltage detector

Max. LCD display: 1999

Range selection: automatic

DC voltage: 200m/2/20/200/600 V +/- 0.7%

AC voltage: 200m/2/20/200/600 V +/- 0.8%

DC current: 200μ/2m/20m/200m/2/10 A +/- 1.2%

AC current: 200μ/2m/20m/200m/2/10 A +/- 1.5%

Resistance: 200/2k/20k/200k/2M/20M Ω +/- 1%

Temperature: -20°C + 1000°C +/- 1%

Capacitance: 20n/200n/2μ/20μ/200μ/1000μF +/- 4.0%

Diode test: yes

Maximum value measurement: yes

Continuity test: yes

Non-contact AC voltage detector: yes

Data hold: yes

Auto power off: yes

Battery indicator: yes

Back light: yes

Power: 3x 1.5V AAA battery

Dimensions: 158x78x32 mm

Manufacturer: V&A



**#03976**

Net Price:  
22,20 EUR  
Unit: pcs

## V&A VA21 - Digital multimeter with non-contact AC voltage detector and misplug alarm

Max. LCD display: 3999

Range selection: manual

DC voltage: 400m/4/40/400/1000 V +/- 0.7%

AC voltage: 4/40/400/750 V +/- 0.8%

DC current: 400μ/400m/10 A +/- 1.2%

AC current: 400μ/400m/10 A +/- 1.5%

Resistance: 400/4k/40k/400k/4M/40 MΩ +/- 1.2%

Capacitance: 4n/40n/400n/4μ/40μ/200 μF +/- 3%

Temperature: -20°C + 1000°C +/- 1%

Frequency: 0Hz + 200kHz +/- 0.1%

Diode test: yes

Continuity test: yes

Non contact AC voltage detector: yes

Misplug alarm: yes

Relative measurement: yes

Back light: yes

Data hold: yes

Auto power off: yes

Battery indicator: yes

Dimensions: 158x78x32 mm

Manufacturer: V&A



**#04052**

Net Price:  
45,00 EUR  
Unit: pcs

## V&A VA40R - Digital multimeter, TRUE RMS, USB connection

LCD display: 6000

Range selection: automatic/manual

DC voltage: 600mV +/-0.5%, 6V/60V/600V +/-0.8%, 1000V +/-1.0%

AC voltage: 600mV/6V/60V/600V +/-1.0%, 1000V +/-1.5%

DC current: 600μA/6000μA/60mA/600mA/6A/10A +/-1.5%

AC current: 600μA/6000μA/60mA/600mA +/-1.8%, 6A/10A +/-3.0%

Resistance: 600Ω/6KΩ/60KΩ/600KΩ/6MΩ +/-0.5%, 60MΩ +/-1.5%

Capacitance: 60nF +/-3.0%, 600nF/6μF/60μF/300μF +/-5.0%

Linear frequency: 6Hz~10kHz +/- (0.1%+3)

Logic frequency: 1 Hz + 1 MHz +/- 0.006%

Diode test: yes

True RMS: yes

Auto power off: yes

Back light: yes

Additional features: USB interface, Windows

98/NT/2000/XP software

Dimensions: 190x90x40 mm

Power: 1 x 9V (6F22) batteries



**#04053**

Net Price:  
53,20 EUR  
Unit: pcs

## V&A VA40R - Digital multimeter, TRUE RMS, USB connection, double display

LCD display: 6600  
Range selection: automatic/manual  
DC voltage: 660mV  $\pm$  0.5%, 6.6V/66V/660V  $\pm$  0.8%, 1000V  $\pm$  1.0%  
AC voltage: 660mV/6.6V/66V/660V  $\pm$  1.2%, 1000V  $\pm$  1.5%  
DC current: 660 $\mu$ A/6600 $\mu$ A  $\pm$  1.0%, 66mA/600mA  $\pm$  1.5%, 10A  $\pm$  1.8%  
AC current: 660 $\mu$ A/6600 $\mu$ A  $\pm$  1.5%, 66mA/600mA  $\pm$  1.8%, 10A  $\pm$  2.0%  
Resistance: 660 $\Omega$ /6.6K $\Omega$ /66K $\Omega$ /660K $\Omega$ /6.6M $\Omega$   $\pm$  1.2%, 66M $\Omega$   $\pm$  2.0%  
Capacitance: 6.6nF  $\pm$  5.0%, 66nF/660nF/6.6 $\mu$ F  $\pm$  3.0%, 66 $\mu$ F/660 $\mu$ F/6.6mF  $\pm$  5.0%  
Linear frequency: 6Hz~66kHz  $\pm$  (0.05%+8)  
Logic frequency: 6Hz~2MHz  $\pm$  (0.05%+8)  
Temperature: -55 $^{\circ}$ C  $\pm$  5.0%, 1 $^{\circ}$ ~1000 $^{\circ}$   $\pm$  2.0%  
Diode test: yes  
True RMS: yes  
Auto power off: yes  
Back light: yes  
Additional features: USB interface, Windows 98/NT/2000/XP software  
Dimensions: 190x90x40 mm  
Power: 1 x 9V (6F22) batteries



**#03997**

Net Price:  
24,40 EUR  
Unit: pcs

## V&A VA505B - Digital multimeter with SMD Components Identifier, autoscan

Resistance: 600/6k/60k/600k/6M/60M $\Omega$   $\pm$  1.2%  
Capacitance: 6n/60n/600n/6 $\mu$ /60 $\mu$ /600 $\mu$ /6m/60mF  $\pm$  3%  
Diode test: yes  
Auto power off: yes  
Battery indicator: yes  
Manufacturer: V&A



**#04033**

Net Price:  
127,00 EUR  
Unit: pcs

## V&A VA588 - Digital multimeter with insulation resistance tester, TRUE RMS

Range selection: automatic / manual  
DC voltage: 1mV  $\pm$  1000V  $\pm$  0.2%  
AC voltage: 0.1mV  $\pm$  1000V  $\pm$  2.0%  
DC current: 0.1mA  $\pm$  500mA  $\pm$  1.0%  
AC current: 0.1mA  $\pm$  500mA  $\pm$  2.0%  
Resistance: 0.1 $\Omega$   $\pm$  50M $\Omega$   $\pm$  1.2%  
Capacitance: 1nF  $\pm$  5000 $\mu$ F  $\pm$  2%  
Frequency: 5Hz  $\pm$  2MHz  
Temperature: -40  $\pm$  547  $^{\circ}$ C  $\pm$  1%  
Insulation resistance: 0.01M $\Omega$   $\pm$  2G $\Omega$   $\pm$  1.5%, test voltages 50/100/250/500/1000 V  
Diode test: yes  
Continuity test: yes  
Data hold: yes  
Back light: yes  
Manufacturer: V&A

### Clamp multimeters



**#06134**

Net Price:  
148,00 EUR  
Unit: pcs

## FLUKE 321 - Digital Multimeter with pincers

Digital Multimeter with pincers for AC voltage and AC current measurement. It has circuit continuity acoustic test, "HOLD" function (reading memory) and highlighted LCD display.

Range selection: automatic  
AC voltage: 400/600 V  $\pm$  1.2%  
AC current: 400 A  $\pm$  1.8% (50-60 Hz), 3.0% (60-400 Hz)  
Resistance: up to 400  $\Omega$   
Sound signal: yes  
Data hold: yes  
Highlighted LCD: yes  
Battery indicator: yes  
Protection: yes  
Max. clamp set: 25 mm  
Dimensions: 190 x 63 x 35 mm  
Power: 2x AAA battery  
Weight: 230g  
Manufacturer: Fluke



**#06135**

Net Price:  
157,00 EUR  
Unit: pcs

## FLUKE 322 - Digital Multimeter with pincers

Digital Multimeter with pincers for AC/DC voltage and AC current measurement. It has circuit continuity acoustic test, "HOLD" function (reading memory) and highlighted LCD display.

Range selection: automatic  
AC voltage: 400/600 V  $\pm$  1.2%  
AC current: 40/400 A  $\pm$  1.8% (50-60 Hz), 3.0% (60-400 Hz)  
DC voltage: 400/600 V  $\pm$  1%  
Resistance: up to 400  $\Omega$   
Sound signal: yes  
Data hold: yes  
Highlighted LCD: yes  
Battery indicator: yes  
Protection: yes  
Max. clamp set: 25 mm  
Dimensions: 190 x 63 x 35 mm  
Power: 2x AAA battery  
Weight: 230g  
Manufacturer: Fluke



**#06805**

Net Price:  
734,00 EUR  
Unit: pcs

## FLUKE 355 - Digital Multimeter with pincers, True RMS

Digital Multimeter with pincers for AC/DC voltage and current measurement.

Range selection: automatic  
AC voltage: 4~600 V  $\pm$  1%  
DC voltage: 4~1000 V  $\pm$  1%  
AC current: 40~1400 A  $\pm$  1.5%  
DC current: 40~2000 A  $\pm$  1.5%  
Resistance: 400  $\Omega$   $\pm$  400 k $\Omega$   $\pm$  1.5%  
Frequency: 5Hz~1kHz  
True RMS: yes  
Sound signal: yes  
Data hold: yes  
Highlighted LCD: yes  
Battery indicator: yes  
Protection: yes  
Max. clamp set: 58 mm  
Dimensions: 300 x 98 x 52 mm  
Power: 6x AA battery  
Weight: 814g  
Manufacturer: Fluke



**#06141**

Net Price:  
644,00 EUR  
Unit: pcs

## FLUKE 360 - AC leakage current clamp meter

Max. LCD display: 3200  
Range selection: automatic  
AC current: 3mA/30mA/30A  $\pm$  1%, 60 A  $\pm$  5%  
Sound signal: yes  
Data hold: yes  
Highlighted LCD: yes  
Battery indicator: yes  
Protection: yes  
Max. clamp set: 40 mm  
Dimensions: 176 x 70 x 25 mm  
Power: 3V lithium battery  
Weight: 200g  
Manufacturer: Fluke



**#06146**

Net Price:  
452,00 EUR  
Unit: pcs

## FLUKE 771 - Milliamp Process clamp meter

Digital Multimeter with clamp for milliamp process. Measure 4-20 mA signals without breaking the loop with this new, compact clamp meter for PLC and control systems analog I/O.

DC current: 4-20 mA  $\pm$  0.2%, 10-50 mA  $\pm$  1%  
Data hold: yes  
Highlighted LCD: yes  
Protection: IP 40  
Dimensions: 212 x 59 x 38 mm  
Power: 2x AA battery  
Weight: 260g  
Manufacturer: Fluke





**#06142**

Net Price:  
293,00 EUR  
Unit: pcs

## FLUKE 902 - Digital Multimeter with pincers, True RMS

Digital Multimeter with pincers for AC/DC voltage and AC/DC current measurement. DC current measurement is possible after connecting test wires. It has circuit continuity acoustic test, "HOLD" function (reading memory) and highlighted LCD display.

Range selection: automatic  
AC voltage: 600 V +/- 1%  
DC voltage: 600 V +/- 1%  
AC current: 600 A +/- 1%  
DC current: 200  $\mu$ A +/- 1%  
Resistance: up to 600  $\Omega$  +/- 1.5%, up to 6000  $\Omega$  +/- 1.5%  
Frequency: 5+400 Hz +/- 0.5%  
Temperature: -10° - 400°C +/- 1%  
Capacitance: 1 - 1000  $\mu$ F +/- 1.9%  
Crest factor: 2.4 @ 500 A, 2.0 @ 600 A  
True RMS: yes  
Sound signal: yes  
Data hold: yes  
Highlighted LCD: yes  
Battery indicator: yes  
Protection: yes  
Max. clamp set: 30 mm  
Dimensions: 38 x 79 x 41 mm  
Power: 2x AA battery  
Weight: 312g  
Manufacturer: Fluke



**#02902**

Net Price:  
11,00 EUR  
Unit: pcs

## Mastech M-266 - Digital Multimeter with pincers 3 1/2 digits for heavy AC current

Max. LCD display: 1999  
Range selection: manual  
DC voltage: 1000 V  
AC voltage: 750 V  
AC current: 1000 A  
Resistance: up to 20 M $\Omega$   
Accuracy: 0.5%  
Diode test: 1mA / 3.2V  
Sound signal: yes  
Battery indicator: yes  
Protection: yes  
Max. clamp set: 50 mm  
Power: 9V 6F22 battery  
Manufacturer: Mastech



**#04000**

Net Price:  
39,50 EUR  
Unit: pcs

## Mastech MS2008A - Digital clamp multimeter

Max. LCD display: 6600  
Range selection: automatic, manual  
Insulation class: CAT III 600V  
DC voltage: 660m/6.6/66/600V +/- 0.8%  
AC voltage: 660m/6.6/66/600V +/- 1.0%  
AC current: 66A/660A +/- 3.0%  
DC current: 66A/660A +/- 3.0%  
Resistance: 660/6.6k/66k/660k/6.6M $\Omega$  +/- 1.0%; 66M $\Omega$  +/- 2.0%  
Capacitance: 6.6 $\mu$ /66 $\mu$ /660 $\mu$ /6.6m/66mF +/- 4.0%  
Frequency: 10kHz +/- 2.0% (up to 1kHz +/- 2.0% on clamp)  
Duty cycle: 10% + 95% +/- 3.0%  
Continuity test: yes  
Diode test: yes  
Backlight: yes  
Max. diameter for conductor:  $\varnothing$ 26 mm  
Dimensions: 208x78x35 mm  
Power: 3x 1.5V AAA battery  
Weight: 340g  
Manufacturer: Mastech



**#03948**

Net Price:  
37,30 EUR  
Unit: pcs

## Mastech MS2101 - Digital clamp multimeter

Max. LCD display: 3999  
Range selection: manual  
DC voltage: 0.4/4/40/400 V +/- 0.8%, 1000 V +/- 1.0%  
AC voltage: 4/40/400 V +/- 1.0%, 700 V +/- 1.2%  
DC current: 400/1000 A +/- 3.0%  
AC current: 400/1000 A +/- 3.0%  
Resistance: 400/4k/40k/400k/4 M $\Omega$  +/- 1.0%, 40 M $\Omega$  +/- 2.0%  
Capacitance: 4n/40n/400n/4  $\mu$ F +/- 4.0%  
Frequency range: 40 Hz + 100 kHz +/- 2.0%  
Temperature: -40 °C + 750 °C +/- 1.0%  
Duty cycle: 0.1% + 99.9%  
Diode test: yes  
Continuity test: yes  
Data hold: yes  
Dimensions: 250x99x43 mm  
Power: 9V 6F22 battery  
Weight: 480g  
Manufacturer: Mastech



**#03951**

Net Price:  
25,20 EUR  
Unit: pcs

## Mastech MS2600 - Digital clamp multimeter

Max. LCD display: 3999  
DC voltage: 4/40/400 V +/- 0.7%, 1000 V +/- 0.8%  
AC voltage: 4/40/400 V +/- 0.8%, 700 V +/- 1.0%  
AC current: 200 A +/- 3% (50 Hz + 400 Hz)  
Resistance: 400/4k/40k/400k/4 M $\Omega$  +/- 1.2%, 40 M $\Omega$  +/- 2%  
Capacitance: 40n/400n/4 $\mu$ F +/- 4%  
Frequency: 10 Hz + 100 kHz +/- 2%  
Duty cycle: 0.1% + 99.9%  
Back light: yes  
Power: 9V 6F22 battery  
Dimensions: 192x68x43 mm  
Weight: 230 g  
Manufacturer: Mastech



**#04019**

Net Price:  
18,90 EUR  
Unit: pcs

## V&A VA310 - Digital clamp multimeter

Max. LCD display: 1999  
Range selection: manual  
DC voltage: 1000 V +/- 1.0%  
AC voltage: 750 V +/- 1.2%  
AC current: 20/200/1000 A +/- 2.0%  
Resistance: 200/2k $\Omega$  +/- 1.0%  
Continuity test: yes  
Diode test: yes  
Data hold: yes  
Back light: yes  
Max. diameter for conductor:  $\varnothing$ 42 mm  
Power: 3x 1.5V AAA battery  
Manufacturer: V&A



**#04020**

Net Price:  
20,60 EUR  
Unit: pcs

## V&A VA310C - Digital clamp multimeter

Max. LCD display: 1999  
Range selection: manual  
DC voltage: 1000 V +/- 1.0%  
AC voltage: 750 V +/- 1.2%  
AC current: 20/200/1000 A +/- 2.0%  
Resistance: 200/2k $\Omega$  +/- 1.0%  
Temperature: -40 + 750°C  
Continuity test: yes  
Data hold: yes  
Back light: yes  
Max. diameter for conductor:  $\varnothing$ 42 mm  
Power: 3x 1.5V AAA battery  
Manufacturer: V&A



**#04021**

Net Price:  
36,80 EUR  
Unit: pcs

## V&A VA311 - Digital clamp multimeter

Max. LCD display: 3999  
Range selection: automatic, manual  
Insulation class: CAT III 600V  
DC voltage: 400m/4/40/400/1000 V +/- 0.8%  
AC voltage: 4/40/400/700 V +/- 1.2%  
DC current: 400/1000 A +/- 3.0%  
AC current: 400/1000 A +/- 3.0%  
Resistance: 400/4k/40k/400k/4/40 M $\Omega$  +/- 1.0%  
Frequency range: 200 kHz +/- 0.1%  
Capacitance: 4n/40n/400n/4 $\mu$ F +/- 4%  
Temperature: -40+750°C +/- 1.0%  
Continuity test: yes  
Diode test: yes  
Max. diameter for conductor:  $\varnothing$ 42 mm  
Power: 3x 1.5V AAA battery  
Manufacturer: V&A



**#04017**

Net Price:  
30,40 EUR  
Unit: pcs

## V&A VA312 - Digital clamp multimeter

Max. LCD display: 5999  
Insulation class: CAT III 600V  
Range selection: automatic, manual  
DC voltage: 6/60/600 V +/- 0.8%, 1000 V +/- 1.0%  
AC voltage: 6/60/600/700 V +/- 1.2%  
AC current: 600 A +/- 2.5%, 1000 A +/- 3.0%  
Resistance: 600/6k/60k/600k/6 M $\Omega$  +/- 1.0%, 60 M $\Omega$  +/- 5.0%  
Capacitance: 600n/6 $\mu$ /60 $\mu$ /600 $\mu$ /1000  $\mu$ F +/- 4.0%  
Frequency: 40 Hz + 100 kHz +/- 0.1%  
ADP measurement: 600 mV +/- 3.0%  
Continuity test: yes  
Diode test: yes  
Data hold: yes  
MAX/MIN function: yes  
Back light: yes  
Auto power off: yes  
Max. diameter for conductor:  $\varnothing$ 42 mm  
Power: 3x 1.5V AAA battery  
Manufacturer: V&A



**#04018**

Net Price:  
41,10 EUR  
Unit: pcs

## V&A VA315 - Digital clamp multimeter

Max. LCD display: 5999  
Insulation class: CAT III 600V  
Range selection: automatic, manual  
DC voltage: 6/60/600 V +/- 0,8%, 1000 V +/- 1,0%  
AC voltage: 6/60/600/700 V +/- 1,2%  
AC current: 600 A +/- 2,5%, 1000 A +/- 3,0%  
Resistance: 600/6k/60k/600k/6 MΩ +/- 1,0%, 60 MΩ +/- 5,0%  
Capacitance: 600n/6μ/60μ/600μ/1000 μF +/- 4,0%  
Frequency: 40 Hz ± 100 kHz +/- 0,1%  
ADP measurement: 600 mV +/- 3,0%  
Continuity test: yes  
True RMS: yes  
Diode test: yes  
Data hold: yes  
MAX/MIN function: yes  
Back light: yes  
Auto power off: yes  
Max. diameter for conductor: Ø42 mm  
Power: 3x 1,5V AAA battery  
Manufacturer: V&A



**#04023**

Net Price:  
52,40 EUR  
Unit: pcs

## V&A VA318 - Digital clamp multimeter

Max. LCD display: 3999  
Bargraph: yes  
Range selection: automatic, manual  
Insulation class: CAT III 600V  
DC voltage: 4/40/400/1000 V +/- 0,8%  
AC voltage: 4/40/400/700 V +/- 1,2%  
DC current: 400/1000 A +/- 3,0%  
AC current: 400/1000 A +/- 3,0%  
Resistance: 400/4k/40k/400k/4/40 MΩ +/- 1,0%  
Frequency: 100 kHz +/- 0,1%  
Back light: yes  
Continuity test: yes  
Diode test: yes  
True RMS: yes  
Max. diameter for conductor: Ø42 mm  
Power: 3x 1,5V AAA battery  
Manufacturer: V&A

## Multimeter kits



**#06131**

Net Price:  
343,00 EUR  
Unit: pcs

## FLUKE 179/EDA2 - Combo Kit

Combo Kit includes:  
- #06130 Fluke 179 True-rms Digital Multimeter,  
- TL910 Electronic Test Probes,  
- TL224 SureGrip™ Silicone Test Leads resist heat,  
- AC280 SureGrip™ Heavy Duty Hook Clips,  
- Fluke 80BK Integrated Temperature Probe,  
- ToolPak Meter hanging accessory to position and hold meter to steel surfaces,  
- Fluke C35 Soft Case



**#06132**

Net Price:  
316,00 EUR  
Unit: pcs

## FLUKE 179/MAG2 - Combo Kit

Combo Kit includes:  
- #06130 Fluke 179 True-rms Digital Multimeter,  
- TL224 SureGrip™ Silicone Test Leads resist heat,  
- AC220 SureGrip™ Alligator Clips,  
- TP4 Slim Reach Test Probe (4 mm),  
- Fluke 80BK Integrated Temperature Probe,  
- ToolPak Meter hanging accessory to position and hold meter to steel surfaces,  
- Fluke C35 Soft Case,  
- Mini Maglite Flashlight



**#06386**

Net Price:  
712,00 EUR  
Unit: pcs

## FLUKE 289/FVF - Digital Multimeter with software

Kit includes:  
- Fluke 289 True RMS multimeter #06219,  
- FlukeView Forms software,  
- TL71 Silicone Test Leads,  
- AC72 Alligator Clips,  
- Fluke 80BK Integrated Temperature Probe,  
- ToolPak Meter hanging accessory to position and hold meter to steel surfaces,  
- Fluke C280 Soft Case,  
- 4 batteries

## Voltage testers



**#06293**

Net Price:  
27,40 EUR  
Unit: pcs

## FLUKE 1AC II - voltage detector

AC voltage: 200 - 1000V  
Insulation class: 1000 V, CAT IV  
Sound alarm: yes  
Diode alarm: yes  
Power: 2x 1,5V AAA battery



**#06294**

Net Price:  
34,60 EUR  
Unit: pcs

## FLUKE LVD2

AC voltage: 90 - 600 V  
Insulation class: 600V, CAT IV  
Sound alarm: yes  
Diode alarm: yes, dual sensitivity  
Power: 1,5V AAA battery



**#06143**

Net Price:  
60,70 EUR  
Unit: pcs

## FLUKE T100 - Voltage tester

AC voltage: 12 - 690 V  
DC voltage: 12 - 690 V  
Continuity: 0 - 500 kΩ  
Frequency: 0 - 400 Hz  
Phase indication: 100 to 690 V  
Reaction time: < 0,1 s  
Voltage test: yes  
Continuity test: yes (optical and acoustic)  
Phase indication: yes  
Polarity identification: yes  
Polarity indication: yes  
Displays voltage if battery fails: yes  
Acoustic bell: yes  
LED Bargraf: 12 LED  
Dimensions: 240 x 56 x 24 mm  
Case: IP65  
Weight: 180g  
Manufacturer: Fluke



**#06144**

Net Price:  
100,00 EUR  
Unit: pcs

## FLUKE T120 - Voltage tester with LCD display

Max. LCD display: 3.5 digit  
AC voltage: 12 - 690 V  
DC voltage: 12 - 690 V  
Continuity: 0 - 500 kΩ  
Frequency: 0 - 400 Hz  
Phase indication: 100 do 690 V  
Reaction time: < 0,1 s  
Voltage test: yes  
Continuity test: yes (optical and acoustic)  
Phase indication: yes  
Polarity identification: yes  
Polarity indication: yes  
Displays voltage if battery fails: yes  
Acoustic bell: yes  
LED Bargraf: 12 LED  
Dimensions: 240 x 56 x 24 mm  
Case: IP65  
Weight: 180g  
Manufacturer: Fluke



**#06145**

Net Price:  
129,00 EUR  
Unit: pcs

## FLUKE T140 - Voltage tester with LCD display

Max. LCD display: 3.5 digit  
AC voltage: 12 - 690 V  
DC voltage: 12 - 690 V  
Continuity: 0 - 500 kΩ  
Frequency: 0 - 400 Hz  
Resistance: 0 - 1999 Ω  
Phase indication: 100 do 690 V  
Reaction time: < 0,1 s  
Voltage test: yes  
Continuity test: yes (optical and acoustic)  
Phase indication: yes  
Polarity identification: yes  
Polarity indication: yes  
Displays voltage if battery fails: yes  
Acoustic bell: yes  
LED Bargraf: 12 LED  
Dimensions: 240 x 56 x 24 mm  
Case: IP65  
Weight: 180g  
Manufacturer: Fluke



**#04060**

Net Price:  
266,00 EUR  
Unit: pcs

## FLUKE T5-1000 - Electrical tester with calibration certificate

Max. LCD display: 1000  
Range selection: automatic  
AC voltage: 1000V  
DC voltage: 1000V  
AC current: 100A  
Resistance: 1000Ω  
Continuity test: 0 - 400 Ω  
Dimensions: 203 x 51 x 30,5 mm  
Weight: 380g  
Manufacturer: Fluke  
Calibration certificate: YES



**#06707**

Net Price:  
164,00 EUR  
Unit: pcs

## FLUKE T5-600 - Electrical tester

Max. LCD display: 1000  
Range selection: automatic  
AC voltage: 600V  
DC voltage: 600V  
AC current: 100A  
Resistance: 1000Ω  
Continuity test: 0 - 400 Ω  
Dimensions: 203 x 51 x 30,5 mm  
Weight: 380g  
Manufacturer: Fluke



**#06455**

Net Price:  
42,20 EUR  
Unit: pcs

## Fluke T50 - Voltage tester

AC voltage: 12 - 690 V  
DC voltage: 12 - 690 V  
Continuity: 0 - 200 kΩ  
Frequency: 0 - 65 Hz  
Reaction time: < 0,1 s  
Voltage test: yes  
Continuity test: yes (optical and acoustic)  
Polarity identification: yes  
Polarity indication: yes  
Displays voltage if battery fails: yes  
Acoustic bell: yes  
LED Bargraf: 12 LED  
Dimensions: 210 x 40 x 22 mm  
Case: IP54  
Weight: 130g  
Manufacturer: Fluke

### RCD testers



**#07512**

Net Price:  
29,10 EUR  
Unit: pcs

## E-Sun EM 3645 - RCD tester

Operating voltage: AC 220V +/- 10%  
RCD test current: 10/30/50/100 mA

### Power consumption monitors



**#07503**

Net Price:  
38,70 EUR  
Unit: pcs

## E-Sun EM560 - Professional power monitor



**#07504**

Net Price:  
14,30 EUR  
Unit: pcs

## E-Sun EM561 - Simple power monitor

### Cable trackers



**#02309**

Net Price:  
11,20 EUR  
Unit: pcs

## (Mastech MS6812) Signal probe, link tester

Transmitter signal: 1.5KHz  
Receiver signal: 100 - 300kHz  
Weight [transmitter/receiver]: 114 / 106g  
Dimensions [transmitter/receiver]: 145x35x25 / 238x43x26 mm  
Battery type: 6F22 9V



#04065

Net Price:  
31,30 EUR  
Unit: pcs

## (Mastech MS6813) Signal probe, link tester, network cable tester

Tested cables: 10 Base-T, EIA/TIA-568A, AT&T258A, Token Ring  
Detected faults: short, open, miswire, reversal, split  
Additional features: shield integrity test, debug mode for detailed fault identification

Transmitter signal: 4kHz  
Receiver signal: 100Hz - 300kHz  
Battery type: 6F22 9V



## Cable tester (for multi-pairs cable)

#08335

Net Price:  
23,90 EUR  
Unit: pcs



## E-Sun EM 419A - Circuit break finder

#07511

Net Price:  
27,20 EUR  
Unit: pcs



## E-Sun EM422A - Cable tester

Adapters: RJ-11, BNC, alligator clips, automotive fuse plug

#07515

Net Price:  
19,20 EUR  
Unit: pcs



## E-Sun EM422B - Wire tracer

Adapters: RJ-11, BNC, alligator clips, RJ-45

#07516

Net Price:  
18,10 EUR  
Unit: pcs



## E-Sun EM424 - Cable tester (for multi-pairs cable)

#07514

Net Price:  
26,10 EUR  
Unit: pcs



## FLUKE PRO 3000 - Cable locator

The Pro3000 Analog Tone and Probe are your best choice for toning and tracing wire on non-active networks, and specifically for identifying individual pairs with SmartTone™ technology. Angled bed-of-nails clips allow easy access to individual wires, and the RJ11 connector is ideal for use on telephone jacks. The large loud speaker on the probe allows you to hear through drywall, wood or other enclosures to find wires quickly and easily. You can send this loud tone up to 10 miles on most cables! Attach the nylon pouch to your belt, and you will be equipped for any wire identification job.

Transmitter  
Solid Frequency: 1000 Hz  
Over Voltage Protection: 60VDC  
Output Power in Tone Mode: 8 dBm 600Ohms  
Output Voltage: 8 VDC dla pomiaru ciągłości  
Battery: 9V alkaline  
Case dimensions: 69 x 61 x 36 mm

Receiver  
Battery: 9V alkaline  
Temp. operating: (-20 +60)C  
Temperatura storage: (-40 +70)C  
Dimensions: 249 x 41 x 33 mm

#08221

Net Price:  
89,00 EUR  
Unit: pcs



## IntelliTone 100 Kit - signal probe, cable tester (MT-8200-50A)

Tested cables: UTP, FTP, STP, RG59, RG9, CCTV  
Single pair test: yes  
Wiremap test: yes  
Detected malfunctions: break, short-circuit, crossed pairs, reverse pairs  
Working in live phone lines: yes  
Telephone network polarity qualify: yes  
Detecting signals: telephone, Ethernet  
Detecting connected devices: hub, network card  
Additional features: locate cables from large distance (1 meter), precision locate cable pairs in wisps  
Operating temperature: 0°C + 40°C  
Operating humidity: 5% + 95%, non-condensing  
Power: 2x 9V 6F22 battery  
Warranty period: 12 months  
Manufacturer: Fluke Networks

Toner parameters  
Dimensions: 141x75x32 mm  
Display: LED  
Control: thumbwheel switch  
Voltage protection: 100V  
Auto power down: yes  
Output power: 5V p-p

Probe parameters  
Dimensions: 222x48x32 mm  
Display: 8x LED, 1x Sync LED  
Control: thumbwheel switch, volume control wheel  
Auto power down: yes

#02900

Net Price:  
182,00 EUR  
Unit: pcs



## IntelliTone 200 Pro - signal probe, cable tester (MT-8200-60)

Tested cables: UTP, FTP, STP, RG59, RG9, CCTV  
Single pair test: yes  
Wiremap test: yes  
Detected malfunctions: break, short-circuit, crossed pairs, reverse pairs  
Working in live phone lines: yes  
Telephone network polarity qualify: yes  
Detecting signals: telephone, Ethernet  
Detecting connected devices: hub, network card  
Additional features: locate cables from large distance (1 meter), precision locate cable pairs in wisps  
Operating temperature: 0°C + 40°C  
Operating humidity: 5% + 95%, non-condensing  
Power: 2x 9V 6F22 battery  
Warranty period: 12 months  
Manufacturer: Fluke Networks

Toner parameters  
Dimensions: 141x75x32 mm  
Display: LED  
Control: thumbwheel switch  
Voltage protection: 100V  
Auto power down: yes  
Output power: 5V p-p

Probe parameters  
Dimensions: 222x48x32 mm  
Display: 8x LED, 1x Sync LED  
Control: thumbwheel switch, volume control wheel  
Auto power down: yes



## IntelliTone 200 Probe (Fluke Networks MT-8200-63A)

Dimensions: 222x48x32 mm  
Display: 8x LED, 1x Sync LED  
Control: thumbwheel switch, volume control wheel  
Auto power down: yes

#08220

Net Price:  
158,00 EUR  
Unit: pcs



## MS8236 - Digital multimeter with lan and phone tester

Max. LCD display: 1999  
Range selection: auto  
DC voltage: 200mV/2/20/200/600 V +/- 0.5%  
AC voltage: 200mV/2/20/200/600 V +/- 0.8%  
DC current: 200µA/2mA/20mA/200 mA +/- 1.2%, 2/10A +/- 2.0%  
AC current: 200µA/2mA/20mA/200 mA +/- 1.5%, 2/10 A +/- 3.0%  
Resistance: 200/2k/20k/200k/2M/20M Ω +/- 1.0%  
Diode test: yes  
LCD backlight: yes  
Data hold: yes  
Network cable test (RJ-11, RJ-45): T568A, T568B, 10Base-T  
Phone check: busy, ringing, clear  
Shield integrity test: yes  
Manufacturer: Mastech  
RJ11, RJ45

#04066

Net Price:  
47,70 EUR  
Unit: pcs



## V&A MS6812 Signal probe, link tester

Transmitter signal: 1.5KHz  
Receiver signal: 100 - 300kHz  
Weight [transmitter/receiver]: 114 / 106g  
Dimensions [transmitter/receiver]: 145x35x25 / 238x43x26 mm  
Battery type: 6F22 9V  
Manufacturer: V&A

#06405

Net Price:  
12,70 EUR  
Unit: pcs



Cable locators and detectors		
 <p><b>#06384</b> Net Price: 694,00 EUR Unit: pcs</p> <p><b>FLUKE 2042 - Cable locator</b> Fluke 2042 is ideal for tracing cables in walls/underground. With this device you can easily locate fuses and breakers on circuits or find interruptions and short-circuits in cables, for example in floor heating systems. It is also helpful in tracing metallic pipes.</p> <p>Kit includes transmitter, receiver, test lead, soft carrying case, hard case, batteries, user manual.</p> <p><b>Transmitter</b> Voltage measurement range: 12/50/120/230/400 V Frequency range: 0..60 Hz Output signal: 125Hz Voltage: up to 400V AC/DC Power: 6 x 1,5V battery Dimensions: 190 x 85 x 50 mm</p> <p><b>Receiver</b> Tracing depth cable location: 2.5m wall/underground cables Main voltage detection: 0.4m LCD backlight: yes Power: 1 x 9V battery Dimensions: 250 x 65 x 45 mm</p>	 <p><b>#04070</b> Net Price: 133,00 EUR Unit: pcs</p> <p><b>MS6818 - Cable locator</b> MS6818 is ideal for tracing cables in walls/underground. With this device you can easily locate fuses and breakers on circuits or find interruptions and short-circuits in cables, for example in floor heating systems. It is also helpful in tracing metallic pipes.</p> <p>Kit includes transmitter and receiver.</p> <p><b>Transmitter</b> Power: 6 x 1,5V battery Dimensions: 190 x 89 x 42,5 mm</p> <p><b>Receiver</b> LCD backlight: yes Power: 1 x 9V battery Dimensions: 241,5 x 78 x 38,5 mm</p>	
Temperature & humidity meters		
 <p><b>#07518</b> Net Price: 65,60 EUR Unit: pcs</p> <p><b>E-Sun EM505B - Humidity, temperature and dew point data logger</b> Temperature: -20 ÷ 50°C +/- 0.5°C Humidity: 20 ÷ 80% +/- 4.5% RH</p>	 <p><b>#07520</b> Net Price: 31,50 EUR Unit: pcs</p> <p><b>E-Sun EM506A - Humidity, temperature and dew point data logger</b> Temperature: -35 ÷ 75°C +/- 2,5°C</p>	 <p><b>#07521</b> Net Price: 47,20 EUR Unit: pcs</p> <p><b>E-Sun EM506B - Humidity, temperature and dew point data logger</b> Temperature: -35 ÷ 75°C +/- 2,5°C Humidity: 20 ÷ 80% +/- 4.5% RH</p>
 <p><b>#07539</b> Net Price: 11,90 EUR Unit: pcs</p> <p><b>E-Sun ETP101 - Thermo-hygrometer with clock</b> Temperature: -10 ÷ 50°C Humidity: 20 ÷ 90% RH Power: 1 x 1.5V AAA</p>	 <p><b>#07522</b> Net Price: 13,20 EUR Unit: pcs</p> <p><b>E-Sun ETP110 - Thermo-hygrometer</b> Temperature: -10 ÷ 60°C Humidity: 20 ÷ 95% RH Power: 2 x 1.5V AAA</p>	 <p><b>#04012</b> Net Price: 7,93 EUR Unit: pcs</p> <p><b>VA6502 - Digital thermometer</b> Measurement range: -50 °C ÷ 270 °C (-58 °F ÷ 518 °F) Resolution: 0.1 °C (-50°C ÷ 200 °C); 1 °C (200°C ÷ 270 °C) Battery indicator: yes Auto power off: yes Dimensions: 181(L) x 35(W) x 20(H) mm Weight: 65g Manufacturer: V&amp;A</p>
 <p><b>#04055</b> Net Price: 36,20 EUR Unit: pcs</p> <p><b>VA8040 - Moisture meter</b> Designed to measure moisture of 7 different materials and current temperature.</p> <p>Materials: 1 - hard wood, 2 - soft wood, 3 - cement or concrete plane, 4 - anhydrite plane, 5 - cement mortar, 6 - lime mortar, 7 - bricks Resolution: 0.1%, 0.1°C, 0.1°F Backlight: yes Auto power off: yes Power: 3x 1,5V AAA Manufacturer: V&amp;A</p>		

Pirometers			
	<b>#04097</b> Net Price: 726,00 EUR Unit: pcs		<b>#07517</b> Net Price: 66,40 EUR Unit: pcs
	<b>FLUKE VT02 - visual IR thermometer</b> The VT02 is a Visual IR Thermometer that combines surface temperature measurement together with a real-time thermal image. The thermal image removes the time necessary for component-by-component measurement associated with traditional spot radiometers. Potential issues are clearly shown on the color LCD display to help the user quickly and accurately position the center-point measurement cursor and measure the temperature. To aid identification, the Product includes a visual camera. Images can be blended from full thermal to full visual as necessary. Both thermal and visual images can be saved to the removable memory card. Images can be recalled or saved to a PC for report generation and to print.  Product is ideal for electricians and maintenance technicians and can be used to find areas of concern quickly Measurement range: -10 °C ÷ 250 °C +/-2°C or +/-2% Typical distance to target: at least 0.5m Emissivity: regulated 0,10 ÷ 1,00 with step 0,01 Field of view (FOV): 20 x 20° Thermal sensitivity (NETD): <250mK Detector type: Uncooled pyroelectric ceramic Visual camera: 11025 pixels Display: 2,2 inch color LCD Memory: microSD card slot File formats supported: is2 Software: SmartView Power: 4x AA battery Guarante: 24 months Manufacturer: Fluke		<b>E-Sun EM528 - Infrared thermometer</b> Measurement range: -50 °C ÷ 1350 °C Resolution: 0,1 °C Measured values: max, min, max-min, average Range selection: automatic Field of view: 12÷1 Back light: yes Laser power: < 1 mW Data hold: yes Auto power off: yes Power: 9V 6F22 battery
	<b>#06342</b> Net Price: 449,00 EUR Unit: pcs		<b>#06343</b> Net Price: 591,00 EUR Unit: pcs
	<b>FLUKE 566 - Infrared thermometer with thermocouple socket and memory</b> Measurement range: -40 °C ÷ 650 °C +/- 1% Resolution: 0,1 °C Field of view: 30÷1 Typical distance to target: up to 15m Emissivity: regulated 0,10 ÷ 1,00 with step 0,01 Back light: yes Other: °C/°F display selection Memory: 20 measurement results with date and time Power: 2x AA battery Guarante: 24 months Manufacturer: Fluke		<b>FLUKE 568 - Infrared thermometer with thermocouple socket and memory, PC USB interface</b> Measurement range: -40 °C ÷ 800 °C +/- 1% Resolution: 0,1 °C Field of view: 50÷1 Typical distance to target: up to 15m Emissivity: regulated 0,10 ÷ 1,00 with step 0,01 Back light: yes Other: °C/°F display selection Memory: 99 measurement results with date and time PC interface: yes Software: included FLukeView Forms Power: 2x AA battery Guarante: 24 months Manufacturer: Fluke
	<b>#06148</b> Net Price: 113,00 EUR Unit: pcs		<b>#04064</b> Net Price: 89,10 EUR Unit: pcs
	<b>FLUKE 62 - Infrared thermometer</b> Measurement range: -30 °C ÷ 500 °C +/- 2% Resolution: 0,2 °C Field of view: 10÷1 Typical distance to target: up to 1,5m Emissivity: 0.95 Back light: yes Other: °C/°F display selection, holder included Power: 1x battery 9V 6F22 Guarante: 12 months Manufacturer: Fluke		<b>V&amp;A VA6510 - Infrared thermometer</b> Measurement range: -20 °C ÷ 270 °C +/- 1.5% Resolution: 1 °C Field of view: 6÷1 Typical distance to target: up to 1m Emissivity: 0.95 Back light: yes Battery indicator: yes Data hold: yes Auto power off: yes Over range indication: yes Other: Ambient temperature (TAMB) measurement, °C/°F display selection Manufacturer: V&A
	<b>#04006</b> Net Price: 34,00 EUR Unit: pcs		<b>#03984</b> Net Price: 19,20 EUR Unit: pcs
	<b>V&amp;A VA6520 - Infrared thermometer</b> Measurement range: -20 °C ÷ 500 °C Resolution: 0,3 °C Measured values: max, min, max-min, average, ambient temperature Range selection: automatic Field of view: 8÷1 Back light: yes Laser power: < 1 mW Battery indicator: yes Data hold: yes Auto power off: yes Manufacturer: V&A		<b>Mastech MS6540A - Infrared thermometer</b> Measurement range: -32 °C ÷ 850 °C Resolution: 0.1 °C Measured values: max, min, max-min, average Range selection: automatic Field of view: 30÷1 Back light: yes Laser power: < 1 mW Battery indicator: yes Data hold: yes Data logger: 100 measurements Auto power off: yes Power: 9V 6F22 battery Manufacturer: Mastech



**#04005**

Net Price:  
51,00 EUR  
Unit: pcs

## V&A VA6530 - Infrared thermometer

Measurement range: -20 °C + 537 °C  
Resolution: 0,1 °C  
Measured values: max, min, max-min, average  
Range selection: automatic  
Field of view: 12+1  
Back light: yes  
Laser power: < 1 mW  
Battery indicator: yes  
Data hold: yes  
Auto power off: yes  
Power: 9V 6F22 battery  
Manufacturer: V&A



**#04007**

Net Price:  
62,00 EUR  
Unit: pcs

## V&A VA6532 - Infrared thermometer

Measurement range: -20 °C + 537 °C  
Resolution: 0,2 °C  
Measured values: max, min, max-min, average  
Range selection: automatic  
Field of view: 12+1  
Back light: yes  
Emissivity: adjustable  
Laser power: < 1 mW  
Battery indicator: yes  
Data hold: yes  
Auto power off: yes  
Power: 9V 6F22 battery  
Manufacturer: V&A

### Thermal imagers



**#06711**

Net Price:  
4 720,00 EUR  
Unit: pcs

## FLUKE Ti10 - Thermal Imager

Ti10 is the best price/performance breakthrough in thermal imaging. Easy-to-use and intuitive.

Included accessories - hand carrying case, battery pack, 2GB SD memory card, Memory card reader, soft-sided carrying case, AC/DC power adapter, SmartView software, user guide.

Field of view (FOV): 23° horizontal, 17° vertical  
Spatial resolution (IFOV): 2,5 mrad  
Min focus distance: 0,15 m  
Thermal sensitivity (NETD): 0,2°C @ 30°C  
Focus: manual  
Detector type: Focal Plane Array, Uncooled Microbolometer, 160x120  
Temperature range: -20°C to 250°C +/- 5% or 5°C (whichever is greater)  
Emissivity: regulated on PC software  
Display: 3 inch large color LCD, IR-Fusion (infrared and classic picture at once)  
Palettes: 4  
LCD backlight: yes  
Memory: 2GB SD memory card  
File formats supported: BMP or IR-Fusion IS2, export to JPEG/BMP/GIF/PNG/TIFF/WMF/EXIF/EMF  
Software: SmartView - analysis and reporting software  
Water and dust resistant: IP54  
Dimensions: 267 x 127 x 152mm  
Weight: 1,2 kg



**#06387**

Net Price:  
6 200,00 EUR  
Unit: pcs

## FLUKE Ti25 - Thermal Imager

Ti25 is a price/performance breakthrough in thermal imaging. Easy-to-use and intuitive.

Included accessories - hand carrying case, battery pack, 2GB SD memory card, Memory card reader, soft-sided carrying case, AC/DC power adapter, SmartView software, user guide.

Field of view (FOV): 23° horizontal, 17° vertical  
Spatial resolution (IFOV): 2,5 mrad  
Min focus distance: 0,15 m  
Thermal sensitivity (NETD): 0,1°C @ 30°C  
Focus: manual  
Detector type: Focal Plane Array, Uncooled Microbolometer, 160x120  
Temperature range: -20°C to 350°C +/- 2% or 2°C (whichever is greater)  
Emissivity: regulated  
Display: 3 inch large color LCD, IR-Fusion (infrared and classic picture at once)  
Palettes: 6  
LCD backlight: yes  
Memory: 2GB SD memory card  
File formats supported: BMP or IR-Fusion IS2, export to JPEG/BMP/GIF/PNG/TIFF/WMF/EXIF/EMF  
Software: SmartView - analysis and reporting software  
Water and dust resistant: IP54  
Dimensions: 267 x 127 x 152mm  
Weight: 1,2 kg



**#06712**

Net Price:  
4 110,00 EUR  
Unit: pcs

## FLUKE TiR - Thermal Imager

TiR is optimized for building envelope, restoration and remediation, inspection and roofing applications.

Field of view (FOV): 23° horizontal, 17° vertical  
Spatial resolution (IFOV): 2,5 mrad  
Min focus distance: 0,15 m  
Thermal sensitivity (NETD): <0,1°C  
Focus: manual  
Detector type: Focal Plane Array, Uncooled Microbolometer, 160x120  
Temperature range: -20°C to 100°C +/- 5% or 5°C (whichever is greater)  
Emissivity: regulated on PC software  
Display: 3 inch large color LCD, IR-Fusion (infrared and classic picture at once)  
Palettes: 4  
LCD backlight: yes  
Memory: 2GB SD memory card  
File formats supported: BMP or IR-Fusion IS2, export to JPEG/BMP/GIF/PNG/TIFF/WMF/EXIF/EMF  
Software: SmartView - analysis and reporting software  
Water and dust resistant: IP54  
Dimensions: 262 x 101 x 162 mm  
Weight: 1,85 kg

### Sound level meters



**#03954**

Net Price:  
77,30 EUR  
Unit: pcs

## Mastech MS6701 - Digital sound level meter with RS-232

Measurement range: 30 dB + 130 dB  
Accuracy: +/- 2 dB  
Max. LCD display: 3,5 digit  
Sample rate: 2 Hz  
Frequency range: 30 Hz + 8 kHz  
Range selection: automatic, manual  
Bargraph: yes  
Memory: 16000 records  
Over range indicator: yes  
Battery indicator: yes  
Back light: yes  
Date/time display: yes  
External interface: RS-232  
Auxiliary port: AC 0,707V RMS impedance 600 Ω, DC 10 mV/dB impedance 100 Ω  
Power: 6x 1,5 V AAA battery  
Manufacturer: Mastech



**#04030**



Net Price:  
38,90 EUR  
Unit: pcs

## V&A VA8080 - Sound Level Meter

Measuring range: 30 dB + 120 dB  
Accuracy: +/- 1,5 dB (for 30-94 dB)  
Max. LCD reading: 4 digit  
Sampling period: 2 Hz  
Frequency range: 31,5 Hz + 8 kHz  
Resolution: 0,1 dB  
Range selection: auto, manual  
Bargraph: tak  
Low battery indicator: yes  
Auto power off: yes  
Power: 3x 1,5V AAA  
Manufacturer: V&A

Distance meters		
 <p><b>#07524</b> Net Price: 38,10 EUR Unit: pcs</p> <p><b>E-Sun EM58 - Digital distance meter, dual unit measurement</b> Measurement method: ultrasonic Resolution: 0.01m Measurement range: 0.5 + 18m +/- 0.5% Measurement unit: meters or feet Auto power off: yes Power: 9V 6F22 battery Dimensions: 150x75x42 mm, 120x77x28mm Weight: 130g, 95g</p>	 <p><b>#07523</b> Net Price: 24,10 EUR Unit: pcs</p> <p><b>E-Sun TS99 - 4 in 1 distance measurer</b> Device allows to measure distance, height, area and volume. Additionally can detect metal, AC voltage and studs. DISTANCE MEASURER Measurement method: ultrasonic Resolution: 0.01m Measurement range: 0.5 + 18m DETECTOR Stud mode: up to 18mm Metal mode: up to 30mm AC mode: up to 50mm</p>	 <p><b>#04063</b> Net Price: 99,30 EUR Unit: pcs</p> <p><b>MS6460 - Digital distance meter</b> Device allows to measure distance, height, area and volume. Measurement method: laser Resolution: 0.001m Measurement range: 0.05 + 60m +/- 0.002m Measurement unit: meters or feet Auto power off: yes Power: 3*1.5V AAA battery Dimensions: 118x54x28 mm Weight: 160g Manufacturer: Mastech</p>
 <p><b>#03985</b> Net Price: 17,60 EUR Unit: pcs</p> <p><b>VA6450 - Digital distance meter</b> Device allows to measure distance, height, area and volume. Measurement method: ultrasonic Resolution: 0.01m Measurement range: 0.6 + 15m +/- 0.5% Aperture angle: +/- 5° Laser pointer type: class II Measurement unit: meters or feet Auto power off: yes Power: 9V 6F22 battery Dimensions: 130x50x30 mm Weight: 150g Manufacturer: V&amp;A</p>		
Tachometers		
 <p><b>#07525</b> Net Price: 38,70 EUR Unit: pcs</p> <p><b>E-Sun EM2236 - Tachometer</b> The meter is a rotational speed measuring instrument. It is normally used to measure rotational speed, e.g. of impellers, drums and spindles. Range: photo 6 + 99999 rpm, contact 1 + 19999 rpm Accuracy: 0.05% Auto power off: tak Data hold: tak MAX/MIN reading: tak Power: DC 1.5V (AAA) x 3 or external 6V DC</p>	 <p><b>#04025</b> Net Price: 31,00 EUR Unit: pcs</p> <p><b>V&amp;A VA8030 - Tachometer</b> The meter is a rotational speed measuring instrument. It is normally used to measure rotational speed, e.g. of impellers, drums and spindles. Range: 100 + 30000 rpm, 1.7+500 rps Accuracy: 0.02% Auto power off: tak Data hold: tak MAX/MIN reading: tak Power: DC 1.5V (AAA) x 3</p>	
Anemometers		
 <p><b>#07519</b> Net Price: 31,30 EUR Unit: pcs</p> <p><b>E-Sun EM2240 - Anemometer</b> Range selection: automatic Temperature: 0°C + 45°C Anemometer: 0 + 30m/s +/- 5% Data hold: yes Maximum value measurement: yes</p>	 <p><b>#04069</b> Net Price: 113,00 EUR Unit: pcs</p> <p><b>Mastech MS6300 - Multifunctions environment tester</b> Range selection: automatic Temperature: -10°C + 60°C +/- 1,0°C Humidity: 20% + 80% relative humidity (RH) +/- 3.0% RH Light: 0+50000 Lux +/- 5.0% Sound: 30dB + 130dB +/- 1.5dB Anemometer: 0.4+20m/s +/- 3.0% Air Flow (CMM): 0+999900CMM +/- 3.0% Data hold: yes Relative measurement: yes Maximum value measurement: yes Dimensions: 280x89x50mm Power: 1x9V 6F22 Manufacturer: Mastech</p>	



Absolute pressure meters		
 <p><b>VA8070 - Absolute pressure meter</b>  Measurement range: 300 ÷ 1200 hPa  Resolution: 0,1 hPa  Data hold: yes  Max/min: yes  Backlight: yes  Auto power off: yes  Power: 3x 1,5V AAA  Manufacturer: V&amp;A</p>	<p><b>#04028</b>  Net Price:  56,50 EUR  Unit: pcs</p>	
Automotive multimeters		
 <p><b>E-Sun EM128 - Digital engine analyzer</b>  Max. LCD display: 3999  Bargraph: yes  Range selection: automatic  DC voltage: 326m/3.26/32.6/326/600 V  AC voltage: 3.26/32.6/326/600 V  DC current: 326u/3260u/32.6m/326m/10 A  AC current: 326u/3260u/32.6m/326m/10 A  Resistance: 326/3.26k/32.6k/326k/3.26M/32,6M Ω  Frequency: 320/3200/32k Hz  Temperature: -20 °C + 750 °C  DWELL: 2/3/4/5/6/8 CYL  TACH: 10x(0-3260) RPM  Continuity test: yes  Diode test: yes  Data hold: yes  Maximum value measurement: yes  Back light: yes  Auto power off: yes</p>	<p><b>#07531</b>  Net Price:  33,20 EUR  Unit: pcs</p>	
 <p><b>E-Sun EM130USB - Digital engine analyzer</b>  Max. LCD display: 3999  Range selection: automatic  DC voltage: 400m/4/40/250 V  AC voltage: 4/40/250 V  DC current: 400u/4000u/40m/400m/4/10 A  AC current: 400u/4000u/40m/400m/4/10 A  Resistance: 400/4k/40k/400k/4M/40M Ω  Capacitance: 50n/500n/5u/50u/100u F  Frequency: 5/50/500/5k/50k/200k Hz  Temperature: -20 °C + 1000 °C  DWELL: 2/3/4/5/6/8 CYL  TACH: 250-40k RPM  Continuity test: yes  Diode test: yes  Data hold: yes  Maximum value measurement: yes  Back light: yes  Auto power off: yes  Other: USB 2.0 interface</p>	<p><b>#07532</b>  Net Price:  51,00 EUR  Unit: pcs</p>	
 <p><b>E-Sun EM132 - Digital engine analyzer</b>  Max. LCD display: 3999  Range selection: automatic  DC voltage: 400m/4/40/600V  AC voltage: 4/40/600V  DC current: 400u/4000u/40m/400m A  AC current: 400u/4000u/40m/400m A  Resistance: 400/4k/40k/400k/4M/40M Ω  Frequency: 4k/40k/400k Hz  Temperature: -20 °C + 1000 °C  DWELL: 2/3/4/5/6/8 CYL  TACH: 250-40k RPM  Battery test: 400m/4000m Ω, 1kHz 50mA, &lt;36V  Continuity test: yes  Diode test: yes  Data hold: yes  Maximum value measurement: yes  Back light: yes  Auto power off: yes</p>	<p><b>#07533</b>  Net Price:  119,00 EUR  Unit: pcs</p>	
 <p><b>E-Sun EM288 - Automotive multitester</b>  The automotive multi tester, which tests the electrical system of an automobile completely.  This multipurpose instrument:  - Tests battery voltage  - Checks the battery condition while starting the engine.  - Checks interior and exterior lamps  - Checks relays, power windows and electric motors.  - LED light source.  It also has a powerful light source, circuit breaker protected voltage source and a warning buzzer  - Power supply functions may be selected.  - Protects wires and components when testing shorted and overloaded circuits  - Finds open and disconnected parts  - There is magnet near the back side of the device, so you can attach the device on the vehicle for easy use.</p>	<p><b>#07534</b>  Net Price:  55,40 EUR  Unit: pcs</p>	
 <p><b>Mastech MS6231 - Digital engine analyzer</b>  Max. LCD display: 1999  Insulation class: CAT III 600V  Range selection: automatic  DC voltage: 200m/2/20/200/600 V +/- 0,7%  AC voltage: 200m/2/20/200/600 V +/- 0,8%  DC current: 2/10 A +/- 2,0%  AC current: 2/10 A +/- 3,0%  Resistance: 200/2k/20k/200k/2 MΩ +/- 1,2%. 20 MΩ +/- 2,0%  Temperature: -20 °C + 1000 °C +/- 3,0%  DWELL: 4/6/8 CYL +/- 3 degree  TACH: 4/6/8 CYL +/- 2 %  Continuity test: yes  Diode test: yes  Data hold: yes  Maximum value measurement: yes  Back light: yes  Auto power off: yes  Power: 3x 1,5V AAA battery  Dimensions: 158x74x31 mm  Weight: 220g  Manufacturer: Mastech</p>	<p><b>#03952</b>  Net Price:  18,40 EUR  Unit: pcs</p>	

## Automotive battery testers



**#07739**

Net Price:  
2 380,00 EUR  
Unit: pcs

### Battery Analyzer (DADI ISBA-5220A)

ISBA-5220A Battery Analyzer is the most powerful handheld storage battery tester. It is a multipurpose resistance tester and ohm meter with the most complete functions, which can test all kinds of battery like 2V, 4V, 6V, 8V, 12V, 24V, 48V. It can also test resistance of conductor and metal connector, and resistance measurement resolution reaches 1μΩ. ISBA-5220A adapts VLSI and powerful microprocessor, and can do the data exchange with RS-232 and RJ-45 port. Meanwhile, it adapts the large screen colorful LCD, and can do the analysis, display and report for test data by itself. It is a indispensable tool for network operators and power department etc.

#### Functions:

- Storage battery resistance testing: automatically switch within the test range 1μΩ-400Ω, and resistance measurement resolution reaches 1μΩ.
- Conductance testing for pure conductor and the battery connecting unit, conductance, i.e. reciprocal of resistance.
- Support remote control through RS-232 and RJ-45 port, and transmit the test data to the remote end to analyze and store.
- Record the charge and discharge capacity of battery group, it is an ideal tool for researching and analyzing the battery functions and efficiency.
- Permanent storage of 10000 groups battery parameters, and each group includes 500 batteries at most.
- The test result can be compared with the comparator data directly, and support permanently 1000 types of battery comparator data.
- Automatically establish the test data for the single cell and battery group which enormously facilitate to generate the record of battery string with multiple single cells, no matter battery string with 24 or with 108 single cells.
- Directly generate and display the battery string single cell test report and distribution curve graph.

#### Features:

- Test a variety of battery and conductor resistance, including dry battery, Li-ion battery and special battery
- Various types of battery testing, including 2V, 4V, 6V, 8V, 12V, 24V, 48V, voltage testing range 0-60V
- Various test modes, single testing and auto real-time testing
- Keyboard operation, 3.5" TFT LCD color with backlight, and support multilingual display
- Built-in chargeable Li-ion battery, more than 5 hours operation time
- Large data storage capacity, more than 100,000 records

#### Testing

Capacity testing Range: 5-6000AH  
Resistance Measurement Range: 1μΩ~400Ω  
Resistance Measurement Resolution: 0.001mΩ  
Resistance Measurement Accuracy: +/-1.0%rdg. +/-8dgt.  
Voltage Measurement Range: DC 0V~+/-60V  
Voltage Measurement Resolution: 0.001V  
Voltage Measurement Accuracy: +/-0.1%rdg. +/-6dgt.

#### General

Size: 190×108×50 mm  
Weight: 1Kg  
Display: 3.5" TFT LCD color, 320X240, backlight  
Operation method: Keyboard  
Communication interface: RS-232, RJ-45, DC power  
Battery: Built-in rechargeable Li-ion battery, 4400mAh  
Operation time: 5 hours  
Data storage: 100,000 records  
Operation temperature: -10°C to 50°C  
Storage temperature: -20°C to 70°C  
Operation humidity: 10% to 90%  
Storage humidity: 5% to 95%



**#07530**

Net Price:  
29,10 EUR  
Unit: pcs

### E-Sun EM577 - Automotive battery tester

EM577 is designed for automotive battery load voltage test, charging voltage test and starter motor test.


Max. LCD display: 999  
CCA settings: 300/400/500/600/700/800/900/1000  
Power: directly by the vehicle battery



**#07535**

Net Price:  
7,13 EUR  
Unit: pcs

### E-Sun GK503 - Automotive battery tester

Car paint thickness gauges		
		
<b>#07528</b> Net Price: 8,17 EUR Unit: pcs		
<b>E-Sun EM2270 - Car paint thickness gauge</b> This unit is designed to not-destructively measure the thickness of non-magnetic coatings (including paint, enamel, plastic, epoxy, plating, galvanizing, etc) on steel or iron.  The car paint thickness gauge with its integrated test sensor will answer these questions immediately, no matter whether the car is made from steel or aluminium. You can accurately test the paint thickness on both types of metal.  3 LEDs show any irregularities in the paint thickness		
Tire pressure gauges		
		
<b>#07529</b> Net Price: 8,67 EUR Unit: pcs		
<b>E-Sun EM6083 - Tire pressure gauge with veins depth ruler</b> Pressure: 3 + 99,5 PSI Units: PSI, BAR, KPA, kg/cm2 Back light: yes Auto power off: yes		
Calibrators		
		
<b>#06244</b> Net Price: 1 240,00 EUR Unit: pcs		
<b>FLUKE 715 - (V/mA) Calibrator</b> DC current: 0-24 mA +/- (0.015%+2), DC voltage: 0-20V +/- 0.01%+2), Voltage source: 0-100mV and 0-10V, Dimensions: 201 x 98 x 52 mm Power: 9V battery Weight: 0,6kg Manufacturer: Fluke		
		
<b>#06491</b> Net Price: 2 140,00 EUR Unit: pcs		
<b>FLUKE 725 - Temperature Calibrator</b> Measurements Voltage: 0..30V +/- (0.02% + 2 cyfry) Current: 0..24mA +/- (0.02% + 2 cyfry) Resistance: 0..3200Ω Thermocouples: J/K/T/E/L/N/U/B/R/S RTD: Ni120 (672), Pt100/200/500/1000 (385), Pt100 (3916), Pt100(3926)  Source Voltage: 0..10V, max obciążenie 1mA Voltage mV: -10.00..+75.00 mV Resistance: 15..3200Ω Thermocouples: J/K/T/E/L/N/U/B/R/S RTD: Ni120 (672), Pt100/200/500/1000 (385), Pt100 (3916), Pt100(3926)  Other Dimensions: 200 x 96 x 47 mm Power: 6x bateria 1,5V AA (R6) Weight: 0,65kg Manufacturer: Fluke		
		
<b>#06344</b> Net Price: 1 120,00 EUR Unit: pcs		
<b>FLUKE 789 - ProcessMeter</b> DMM and a loop calibrator in one tool. Multimeter Range selection: automatic/manual DC voltage: 1000 V +/- 0.1% AC voltage: 1000 V +/- 0.5% DC current: 30mA +/- 0.05% AC current: 30mA +/- 0.05% Resistance: 40 MΩ +/- 0.2% Frequency: 200kHz +/- 0.005% Continuity test: yes Relative measurement: yes Diode test: yes True RMS: yes  Calibrator Current source: 0-20 mA and 4-24 mA +/-0,05% of range Loop supply: 24V Step: auto / manual  Other PC Interface: yes (infrared) Dimensions: 203 x 100 x 50 mm Power: 4 x 1,5V AA battery Weight: 0,6kg Guarante: 3 lata Manufacturer: Fluke		
Scopemeters		
		
<b>#07536</b> Net Price: 433,00 EUR Unit: pcs		
<b>E-Sun EM116A - Scopemeter</b> Bandwidth: 20MHz Max. real time sampling rate: 80 MS/s Input impedance: 1MΩ, <20pF Input sensitivity: 5mV to 5V/div Timebase range: 50ns to 5s/div Digital multimeter: 4000 digits Display: LCD color, 320x240 Memory: 6 groups of waveforms + 1 setup		



**#07537**  
Net Price:  
581,00 EUR  
Unit: pcs

## E-Sun EM122 - Scopemeter 2CH

The Oscilloscope adopts the update circuit technology to decrease noise. It has higher test sensitivity and higher electromagnetic noise resistance. So it is the ideal instrument in national defence, scientific research, industry and teaching.

Bandwidth: 20MHz, 2CH  
Max. real time sampling rate: 80 MS/s  
Input impedance: 1MΩ, <20pF  
Input sensitivity: 5mV to 5V/div  
Timebase range: 50ns to 5s/div  
Digital multimeter: 4000 digits  
Display: LCD color, 320x240  
Memory: 6 groups of waveforms + 1 setup



**#06397**  
Net Price:  
2 350,00 EUR  
Unit: pcs

## FLUKE 125 - Scopometer

Bandwidth: 40MHz  
Max. real time sampling rate: 25 MS/s  
Input sensitivity: 5mV to 500V/div  
Timebase range: 10ns to 1min/div  
Output: 2  
Digital multimeter: 5000 digits, TrueRMS  
Scope measurements: 27 automatic, cursors  
Display: LCD black-white  
Memory: 20  
Battery power: 7 hours  
Dimensions: 232 x 115 x 50 mm  
Weight: 1.2kg

### Inspection cameras



**#07526**  
Net Price:  
103,00 EUR  
Unit: pcs

## E-Sun ES049A - Inspection camera

Display: 2,5", color TFT-LCD  
Resolution: 320x240  
Head diameter: 17mm  
Output frame rate: 60 FPS  
Tube length: 900mm  
Tube diameter: 12mm  
Head light: yes  
Waterproof: IP54  
Power: 4 x 1.5V AAA



**#07527**  
Net Price:  
48,30 EUR  
Unit: pcs

## E-Sun ES1050 - Inspection camera USB

Resolution: 640x480  
Head diameter: 11mm  
Tube length: 955mm  
Tube diameter: 7mm  
Head light: yes

### Thickness meters



**#04056**  
Net Price:  
122,00 EUR  
Unit: pcs

## VA8041 - Ultrasonic thickness meter

Measures thickness of various materials. Ultrasonic sensor included.

Measuring range: 1.2mm ÷ 225mm (steel)  
Resolution: 0.1mm  
Accuracy: +/- (1% + 0.1mm)  
Auto power off: yes  
Manufacturer: V&A

### Other multimeters & accessories



**#02961**  
Net Price:  
1,56 EUR  
Unit: pcs

## "K" type temperature probe

Designed for collaboration with digital multimeters with temperature scope from 50° up to 250°C option.



**#04032**  
Net Price:  
1,92 EUR  
Unit: pcs

## "K" type temperature probe

Designed for collaboration with digital multimeters with temperature scope from -5° up to 900°C option.



**#07510**  
Net Price:  
9,60 EUR  
Unit: pcs

## E-Sun EM902 - Professional surge protector

Protects all connected appliances within a radius of 35m.



**#06474**  
Net Price:  
112,00 EUR  
Unit: pcs

## Fluke 80PK-25 Piercing Probe

Measurement range: -40..350°C  
Length: 102mm  
Manufacturer: Fluke



**#06915**  
Net Price:  
359,00 EUR  
Unit: pcs

## Fluke 80PK-27 Industrial Surface Probe

Measurement range: -127 ÷ 600°C  
Manufacturer: Fluke



**#06762**  
Net Price:  
96,30 EUR  
Unit: pcs

## Immersion Probe Fluke 80PK-22

Measurement range: -40..1090°C  
Length: 213mm  
Manufacturer: Fluke





## Industrial Surface Probe VA3413

Measurement range: -5 ÷ 900°C  
Manufacturer: V&A

#04057

Net Price:  
17,00 EUR  
Unit: pcs



## P3409B - "K" type temperature probe

Designed for collaboration with digital multimeters with temperature option -5° do 900°C

- Multimeter MAS345
- Multimeter M9805G
- Multimeter MS7212
- Multimeter MS2000G
- Multimeter M266C
- Multimeter TM902C
- Multimeter MS9508
- Multimeter series MS6500
- Multimeter series MY-60 (#02928 #02929 #02930 #02933)
- Multimeter series MS8201
- Multimeter series M-890
- Multimeter series M-9700

Manufacturer: Mastech

#03967

Net Price:  
2,29 EUR  
Unit: pcs



## T3000 - Test lead set, banana type, angled

High quality test lead set designed for

- Multimeter M9912
- Multimeter MS5201
- Multimeter MS2201
- Multimeter MS2203
- Multimeter MS6230
- Multimeter series MY60
- Multimeter series M92
- Multimeter series MS8200
- Multimeter series MS8205
- Multimeter series M9805
- Multimeter series MS8222
- Multimeter series MS8201
- Multimeter series M266 (#02902)
- Multimeter series MS2000
- Multimeter series MS2001
- Multimeter series M89

Manufacturer: Mastech

#03968

Net Price:  
1,92 EUR  
Unit: pcs



## VA3010 - Squeezer for SMD

Easy way to measure SMD and classic passive elements.

#03980

Net Price:  
2,72 EUR  
Unit: pcs

# Index

Digital luxometers .....	1
Analog multimeters .....	1
Digital multimeters .....	1
Clamp multimeters .....	8
Multimeter kits .....	10
Voltage testers .....	10
RCD testers .....	11
Power consumption monitors .....	11
Cable trackers .....	11
Cable locators and detectors .....	13
Temperature & humidity meters .....	13
Pirometers .....	14
Thermal imagers .....	15
Sound level meters .....	15
Distance meters .....	16
Tachometers .....	16
Anemometers .....	16
Absolute pressure meters .....	17
Automotive multimeters .....	17
Automotive battery testers .....	18
Car paint thickness gauges .....	19
Tire pressure gauges .....	19
Calibrators .....	19
Scopemeters .....	19
Inspection cameras .....	20
Thickness meters .....	20
Other multimeters & accessories .....	20